

Converting Colors

XYZ(79.9875, 85.2761,
106.8519)

Have a look what the booklet for
XYZ(79.9875, 85.2761, 106.8519)
contains.

XYZ(79.9506, 85.3875, 106.8753)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(79.9506, 85.3875,
106.8753)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F0FF
RGB	224, 240, 255
RGB Percent	88%, 94%, 100%
CMY	0.1216, 0.0588, 0.0000
CMYK	0.12, 0.06, 0.00, 0.00
HSL	209°, 100%, 94%
HSV	209°, 12%, 100%
XYZ	79.9506, 85.3875, 106.8753
YIQ	236.9260, -14.3510, 1.2730

Conversions

Conversions Part 2

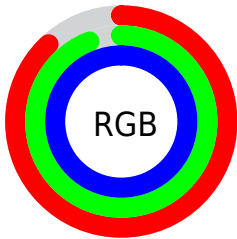
Format	Color
RYB	224, 235, 255
Decimal	14741759
CIELab	94.05, -2.36, -9.02
CIELCh	94, 9.327, 255.314
Yxy	85.3875, 0.2937, 0.3137
Android (android.graphics.Color)	4292931839 (0xFFE0F0FF)
YUV	236.9260, 8.9105, -11.3361
Hunter-Lab	92.4054, -7.2683, -3.8906

Details

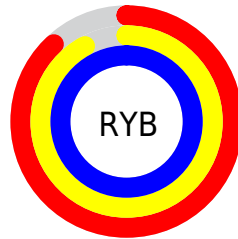
The XYZ color **79.9506, 85.3875, 106.8753** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.5605, 88.3733, 83.0709**, and the grayscale version is **80.3829, 84.5690, 92.0957**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6957, 46.7932, 60.1551** is the 20% darker color. If you saturate the color by 10%, you get **69.1241, 74.5995, 105.3637**, and if you desaturate by 10%, it is **92.2137, 97.2871, 108.5258**.

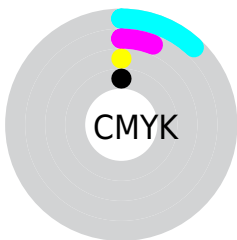
Distribution



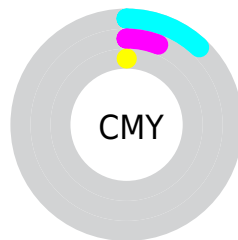
- Red (88%)
- Green (94%)
- Blue (100%)



- Red (88%)
- Yellow (92%)
- Blue (100%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9506, 85.3875, 106.8753 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.9506, 85.3875, 106.8753 by changing the saturation by 10% instead.

■ 79.9506, 85.3875,
106.8753

■ 79.9506, 85.3875,
106.8753

483.5054,
512.9094, 603.4517

■ 59.9860, 64.1616,
81.4059

132.2472,
140.9144, 172.7078

■ 43.6568, 46.7816,
60.3430

165.3099,
175.9843, 213.9079

■ 30.5975, 32.8630,
43.2681

203.4693,
216.4376, 261.1887

■ 20.4429, 22.0215,
29.7625

247.0909,
262.6587, 314.9688

■ 12.8275, 13.8727,
19.4079

296.5399,
315.0320, 375.6665

■ 7.3861, 8.0322,
11.7856

352.1818,

■ 3.7532, 4.1156,

373.9420, 443.7006

6.4771

414.3818,
439.7730, 519.4894

■ 1.5635, 1.7384,
3.0639

■ 0.3684, 0.4483,
1.1273

■ 79.9506, 85.3875,
106.8753

■ 79.9506, 85.3875,
106.8753

■ 69.1241, 74.5995,
105.3637

■ 92.2137, 97.2871,
108.5258

■ 59.6699, 64.8760,
103.9851

95.0500, 100.0000,
108.9000

■ 51.5287, 56.1811,
102.7359

■ 44.6340, 48.4730,
101.6115

■ 38.9128, 41.7059,
100.6069

■ 34.2837, 35.8297,
99.7166

■ 30.6537, 30.7878,
98.9348

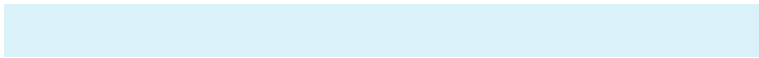
■ 27.9111, 26.5138,
98.2543

■ 26.2534, 23.6269,
97.7845

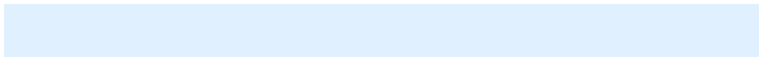
Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8381, 85.3875, 103.0645



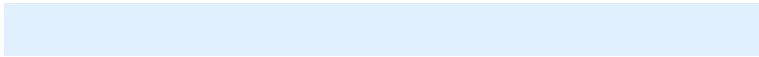
79.9506, 85.3875, 106.8753



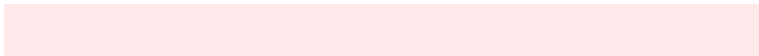
82.4291, 85.3875, 106.8327

Triad

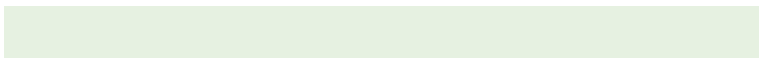
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9506, 85.3875, 106.8753



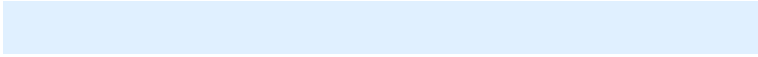
85.8636, 85.3875, 89.3984



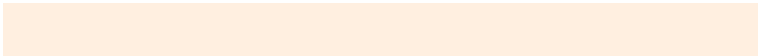
77.8021, 85.3875, 83.6605

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.9506, 85.3875, 106.8753



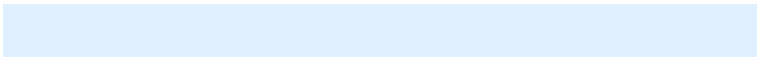
85.5605, 88.3733, 83.0709

Split Complementary

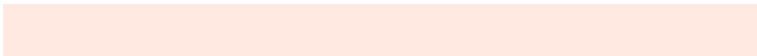
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.9005, 85.3875, 80.3661



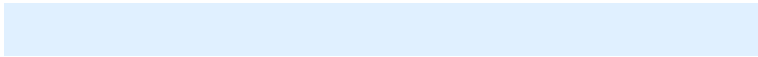
79.9506, 85.3875, 106.8753



84.5715, 85.3875, 83.5617

Square

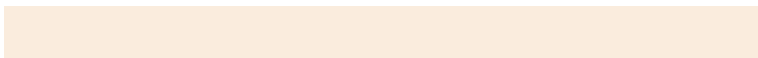
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9506, 85.3875, 106.8753



85.8777, 85.3875, 96.4919



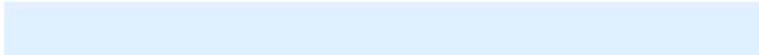
82.3780, 85.3875, 80.3309



76.6150, 85.3875, 89.5397

Rectangle

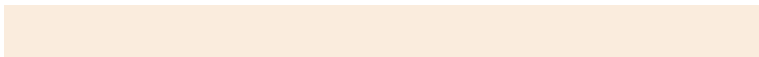
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9506, 85.3875, 106.8753



83.9571, 85.3875, 104.6147



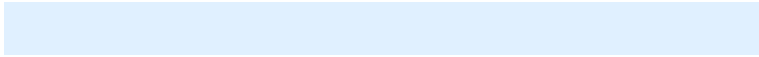
82.3780, 85.3875, 80.3309



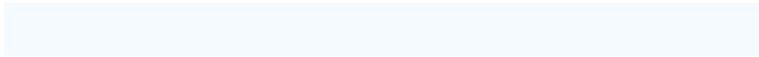
78.4223, 85.3875, 82.2277

Sweetspot

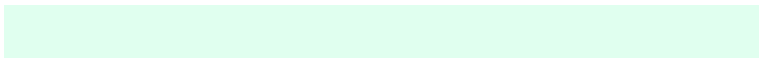
The Sweet Spot groups the original color and five complimentary colors.



79.9529, 85.3910, 106.8759



89.8425, 95.0087, 108.2110



82.0789, 93.5988, 95.3898



19.0261, 20.1392, 23.1344



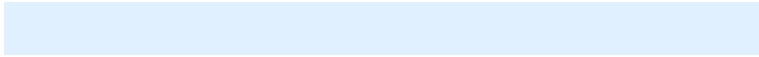
0.0000, 0.0000, 0.0000



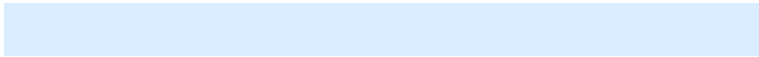
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9529, 85.3910, 106.8759



76.7298, 82.2109, 106.4319



75.5866, 76.6584, 105.4205



17.7787, 18.9290, 22.9666



13.8683, 12.6462, 51.1446



1.4597, 1.4501, 5.0162

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



83.6253, 80.8642, 93.6430



81.2011, 76.8420, 90.2882



90.2903, 97.8328, 84.6475



18.4009, 18.1437, 20.7284



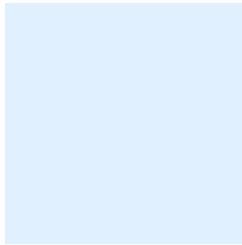
23.7883, 12.0046, 12.8014



2.3714, 1.1909, 1.5373

Previews

White Background



This preview shows how the XYZ color 79.9506, 85.3875, 106.8753 looks on a white background.

Color Contrast Check

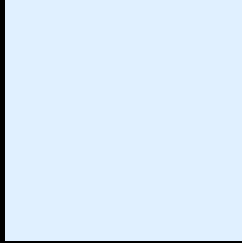
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 79.9506, 85.3875, 106.8753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

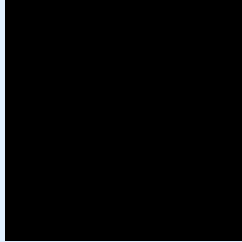
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

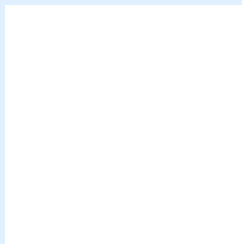
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9506, 85.3875, 106.8753

Background



This preview shows how black text looks on a background with the XYZ color 79.9506, 85.3875, 106.8753.



This preview shows how white text looks on a background with the XYZ color 79.9506, 85.3875,

106.8753.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79.9506, 85.3875, 106.8753

Protanopia

82.6501, 85.0873, 104.9959

Deuteranopia

86.6903, 85.4425, 106.5307



Tritanopia

80.5951, 85.2839, 106.8214

Trichromacy



Original Color

79.9506, 85.3875, 106.8753

Protanomaly

81.4523, 84.8799, 105.8564

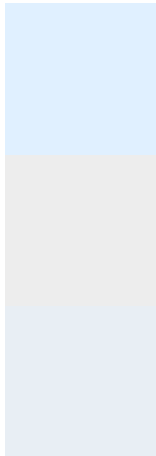
Deuteranomaly

84.0340, 85.3374, 106.6504

Tritanomaly

80.2805, 85.1218, 106.8066

Monochromacy



Original Color

79.9506, 85.3875, 106.8753

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.1824, 84.8365, 97.7370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9506, 85.3875, 106.8753 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(224, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 240, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(224, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.9506, 85.3875, 106.8753 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(224, 240, 255) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(224, 240, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(224, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9506, 85.3875, 106.8753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 240, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(224,  
240, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor