

Converting Colors

XYZ(80.7570, 84.7569,
112.8425)

Have a look what the booklet for
XYZ(80.7570, 84.7569, 112.8425)
contains.

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Color

**XYZ(79.6759, 84.3766,
106.6947)**

Conversions

Conversions Part 1

Format	Color
Hex	E1EEFF
RGB	225, 238, 255
RGB Percent	88%, 93%, 100%
CMY	0.1176, 0.0666, 0.0000
CMYK	0.12, 0.07, 0.00, 0.00
HSL	214°, 100%, 94%
HSV	214°, 12%, 100%
XYZ	79.6759, 84.3766, 106.6947
YIQ	236.0510, -13.2050, 2.5310

Conversions

Conversions Part 2

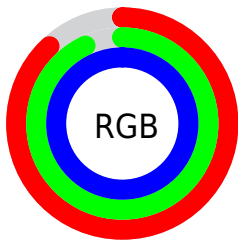
Format	Color
R_{YB}	225, 234, 255
Decimal	14806783
CIE _{Lab}	93.61, -1.03, -9.66
CIE _{LCh}	94, 9.716, 263.936
Yxy	84.3766, 0.2943, 0.3116
Android (android.graphics.Color)	4292996863 (0xFFE1EEFF)
YUV	236.0510, 9.3419, -9.6917
Hunter-Lab	91.8567, -5.9196, -4.5676

Details

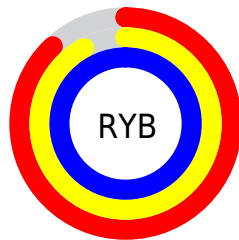
The XYZ color **79.6759, 84.3766, 106.6947** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.5822, 90.1990, 84.0826**, and the grayscale version is **79.7078, 83.8588, 91.3222**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4986, 46.0792, 60.0276** is the 20% darker color. If you saturate the color by 10%, you get **68.2739, 72.5052, 105.0042**, and if you desaturate by 10%, it is **92.6071, 97.5419, 108.5543**.

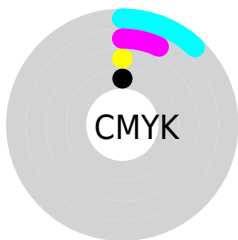
Distribution



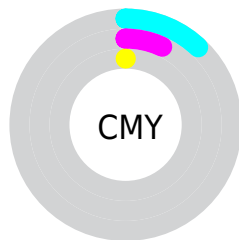
- Red (88%)
- Green (93%)
- Blue (100%)



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



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.6759, 84.3766, 106.6947 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 79.6759, 84.3766, 106.6947 by changing the saturation by 10% instead.

79.6759, 84.3766,
106.6947

79.6759, 84.3766,
106.6947

482.5931,
509.5630, 602.8789

59.7592, 63.3264,
81.2553

131.8629,
139.5019, 172.4591

43.4733, 46.1053,
60.2196

164.8639,
174.3457, 213.6211

30.4528, 32.3289,
43.1692

202.9571,
214.5563, 260.8610

20.3323, 21.6129,
29.6855

246.5079,
260.5179, 314.5975

12.7465, 13.5727,
19.3500

295.8815,
312.6150, 375.2489

7.3300, 7.8241,
11.7441

351.4433,

3.7175, 3.9826,

371.2319, 443.2340

6.4493

413.5587,
436.7531, 518.9711

■ 1.5436, 1.6638,
3.0470

■ 0.3552, 0.4001,
1.1187

■ 79.6759, 84.3766,
106.6947

■ 79.6759, 84.3766,
106.6947

■ 68.2739, 72.5052,
105.0042

■ 92.6071, 97.5419,
108.5543

■ 58.3340, 61.8747,
103.4762

95.0500, 100.0000,
108.9000

■ 49.7939, 52.4431,
102.1058

■ 42.5841, 44.1618,
100.8874

■ 36.6282, 36.9785,
99.8148

■ 31.8416, 30.8357,
98.8814

■ 28.1278, 25.6692,
98.0799

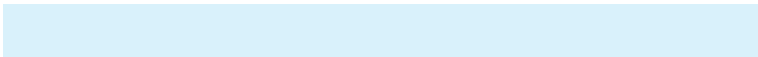
■ 25.3719, 21.4046,
97.4020

■ 23.6836, 18.4871,
96.9279

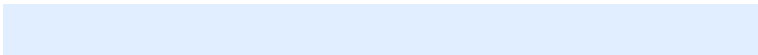
Harmonies

Analogous

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



77.3199, 84.3766, 103.8085



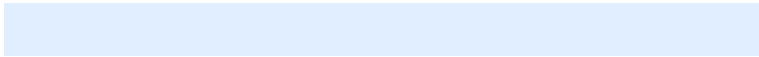
79.6759, 84.3766, 106.6947



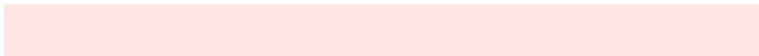
82.2215, 84.3766, 105.4409

Triad

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



79.6759, 84.3766, 106.6947



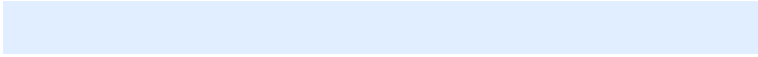
84.8051, 84.3766, 86.2420



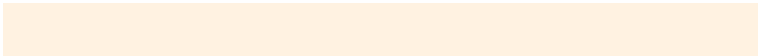
76.2641, 84.3766, 83.7802

Complementary

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



79.6759, 84.3766, 106.6947



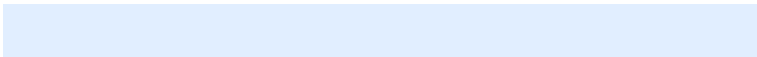
86.5822, 90.1990, 84.0826

Split Complementary

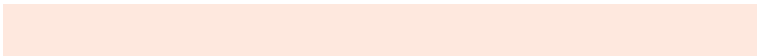
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.2068, 84.3766, 79.5198



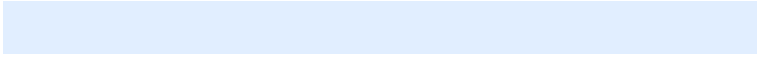
79.6759, 84.3766, 106.6947



83.1454, 84.3766, 80.8871

Square

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



79.6759, 84.3766, 106.6947



85.2187, 84.3766, 93.3768



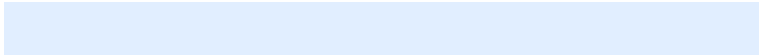
80.7212, 84.3766, 78.4895



75.3774, 84.3766, 90.3830

Rectangle

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



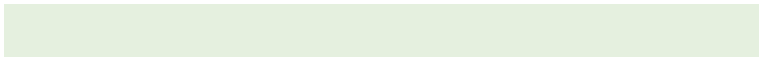
79.6759, 84.3766, 106.6947



83.6796, 84.3766, 102.4579



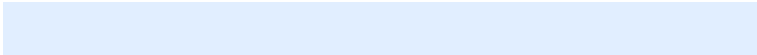
80.7212, 84.3766, 78.4895



76.8133, 84.3766, 82.0411

Sweetspot

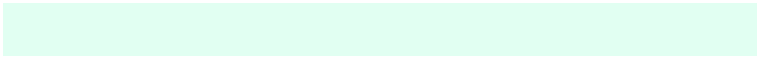
The Sweet Spot groups the original color and five complimentary colors.



79.6781, 84.3800, 106.6952



89.5806, 94.4848, 108.1237



82.7642, 93.9088, 97.3761



18.9598, 20.0067, 23.1123



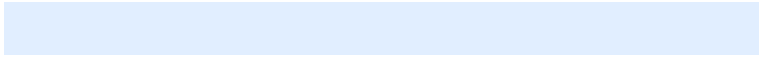
0.0000, 0.0000, 0.0000



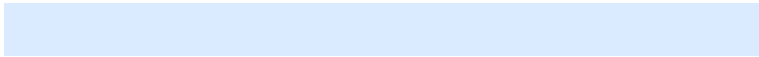
20.3446, 21.4041, 23.3091

Same Dimension

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



79.6781, 84.3800, 106.6952



76.9976, 81.6143, 106.3027



76.4976, 77.3218, 105.5005



17.6506, 18.6729, 22.9239



12.5171, 9.9437, 50.6942



1.3249, 1.1805, 4.9713

Inverse Universe

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



83.5992, 81.2851, 92.1763



81.6127, 78.0648, 89.1932



90.0413, 97.9330, 85.3932



18.3363, 18.1178, 20.3881



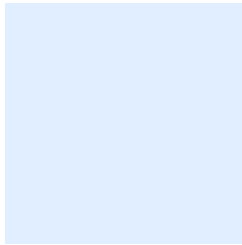
23.1062, 11.7318, 9.2099



2.3034, 1.1637, 1.1789

Previews

White Background



This preview shows how the XYZ color 79.6759, 84.3766, 106.6947 looks on a white background.

Color Contrast Check

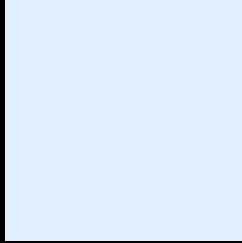
Large Text (above 18pt) WCAG AA × Fail

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 79.6759, 84.3766, 106.6947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

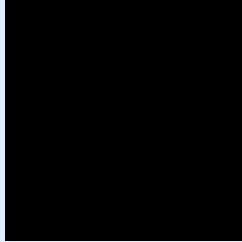
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

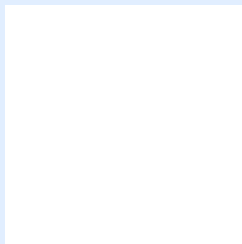
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.6759, 84.3766, 106.6947

Background



This preview shows how black text looks on a background with the XYZ color 79.6759, 84.3766, 106.6947.



This preview shows how white text looks on a background with the XYZ color 79.6759, 84.3766,

106.6947.

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

79.6759, 84.3766, 106.6947

Protanopia

82.0300, 84.3414, 104.8846

Deuteranopia

85.4137, 83.9534, 106.3106



Tritanopia

79.9886, 84.5378, 106.7093

Trichromacy



Original Color

79.6759, 84.3766, 106.6947

Protanomaly

81.1636, 84.3025, 105.7602

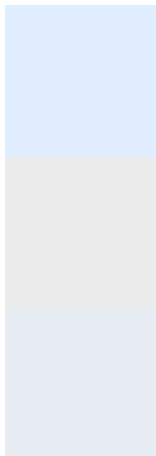
Deuteranomaly

83.1241, 84.0231, 106.4447

Tritanomaly

79.9886, 84.5378, 106.7093

Monochromacy



Original Color

79.6759, 84.3766, 106.6947

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.7406, 84.1952, 96.8425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.6759, 84.3766, 106.6947 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(225, 238, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 238, 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(225, 238, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 238, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.6759, 84.3766, 106.6947 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(225, 238, 255) }
```


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

```
.border{ border-color:rgb(225, 238, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 238, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 238, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 238, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 238,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.6759, 84.3766, 106.6947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 238, 255) }
```

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

```
.background{ background-color: rgb(225,  
238, 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](#).

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