

Converting Colors

XYZ(81.9069, 81.7948,
116.6094)

Have a look what the booklet for
XYZ(81.9069, 81.7948, 116.6094)
contains.

XYZ(79.9511, 81.1373, 106.0549)	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(79.9511, 81.1373,
106.0549)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E6FF
RGB	233, 230, 255
RGB Percent	91%, 90%, 100%
CMY	0.0863, 0.0980, 0.0000
CMYK	0.09, 0.10, 0.00, 0.00
HSL	247°, 100%, 95%
HSV	247°, 10%, 100%
XYZ	79.9511, 81.1373, 106.0549
YIQ	233.7470, -6.2370, 8.4110

Conversions

Conversions Part 2

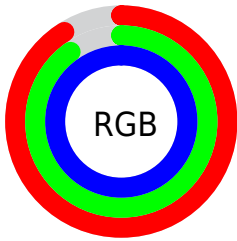
Format	Color
R _Y B	233, 230, 255
Decimal	15329023
CIE Lab	92.19, 5.64, -11.71
CIE LCh	92, 13.001, 295.714
Yxy	81.1373, 0.2993, 0.3037
Android (android.graphics.Color)	4293519103 (0xFFE9E6FF)
YUV	233.7470, 10.4777, -0.6551
Hunter-Lab	90.0762, 0.8020, -6.7541

Details

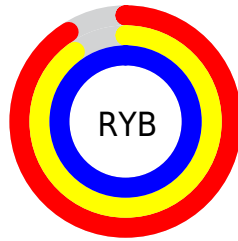
The XYZ color **79.9511, 81.1373, 106.0549** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.1898, 97.9295, 89.0157**, and the grayscale version is **77.9441, 82.0032, 89.3015**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6545, 44.0843, 59.6344** is the 20% darker color. If you saturate the color by 10%, you get **66.5011, 64.4303, 103.5390**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

Distribution



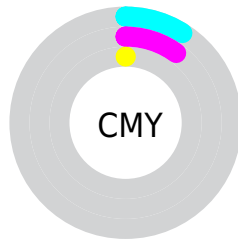
- Red (91%)
- Green (90%)
- Blue (100%)



- Red (91%)
- Yellow (90%)
- Blue (100%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9511, 81.1373, 106.0549 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 79.9511, 81.1373, 106.0549 by changing the saturation by 10% instead.

79.9511, 81.1373,
106.0549

79.9511, 81.1373,
106.0549

483.5071,
498.7574, 600.8474

59.9864, 60.6547,
80.7218

132.2479,
134.9635, 171.5776

43.6571, 43.9465,
59.7829

165.3107,
169.0760, 212.6043

30.5978, 30.6285,
42.8195

203.4703,
208.5004, 259.6993

20.4431, 20.3161,
29.4132

247.0920,
253.6213, 313.2811

12.8277, 12.6250,
19.1453

296.5411,
304.8231, 373.7683

7.3862, 7.1709,
11.5975

352.1831,

3.7532, 3.5692,

362.4901, 441.5793

6.3510

414.3833,
427.0067, 517.1329

■ 1.5635, 1.4356,
2.9875

■ 0.3684, 0.2428,
1.0882

■ 79.9511, 81.1373,
106.0549

■ 79.9511, 81.1373,
106.0549

■ 66.5011, 64.4303,
103.5390

95.0500, 100.0000,
108.9000

■ 54.9390, 50.1686,
101.3956

■ 45.1817, 38.2401,
99.6075

■ 37.1376, 28.5200,
98.1553

■ 30.7067, 20.8721,
97.0180

■ 25.7786, 15.1445,
96.1722

■ 22.2288, 11.1646,
95.5911

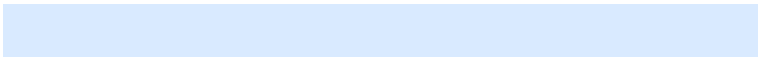
■ 19.9120, 8.7284,
95.2430

■ 18.6211, 7.5225,
95.0783

Harmonies

Analogous

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



76.6375, 81.1373, 108.0755



79.9511, 81.1373, 106.0549



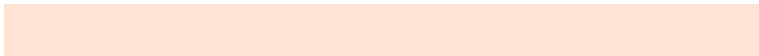
82.5715, 81.1373, 99.1646

Triad

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



79.9511, 81.1373, 106.0549



80.8094, 81.1373, 73.9442



70.8637, 81.1373, 86.9714

Complementary

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



79.9511, 81.1373, 106.0549



90.1898, 97.9295, 89.0157

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.



71.9111, 81.1373, 78.3420



79.9511, 81.1373, 106.0549



77.6016, 81.1373, 71.1746

Square

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



79.9511, 81.1373, 106.0549



83.0771, 81.1373, 80.5698



74.3537, 81.1373, 72.7248



71.4520, 81.1373, 96.6044

Rectangle

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



79.9511, 81.1373, 106.0549



83.5396, 81.1373, 92.9819



74.3537, 81.1373, 72.7248



71.0353, 81.1373, 83.8644

Sweetspot

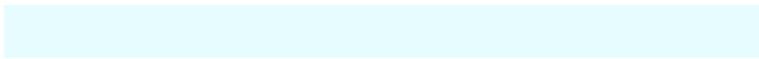
The Sweet Spot groups the original color and five complimentary colors.



79.9533, 81.1406, 106.0555



90.2241, 93.9611, 107.9887



85.5216, 93.7174, 108.1895



19.0422, 19.7747, 23.0632



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.



79.9533, 81.1406, 106.0555



76.8300, 77.2518, 105.4695



84.1508, 83.3045, 106.2519



17.2053, 17.4820, 22.7175



9.7833, 3.9539, 49.6821



1.0140, 0.4166, 4.8402

Inverse Universe

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



87.1095, 84.8851, 103.8915



85.4682, 81.7725, 102.8198



85.8387, 95.6865, 88.8121



18.6934, 18.2607, 22.2684



28.6466, 13.9479, 38.3849



2.8146, 1.3682, 3.8708

Previews

White Background



This preview shows how the XYZ color 79.9511, 81.1373, 106.0549 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 79.9511, 81.1373, 106.0549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

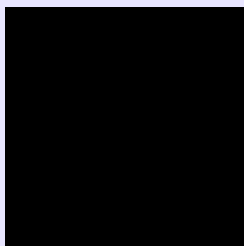
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.9511, 81.1373, 106.0549

Background



This preview shows how black text looks on a background with the XYZ color 79.9511, 81.1373, 106.0549.



This preview shows how white text looks on a background with the XYZ color 79.9511, 81.1373,

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

79.9511, 81.1373, 106.0549

Protanopia

79.2590, 81.1948, 106.1025

Deuteranopia

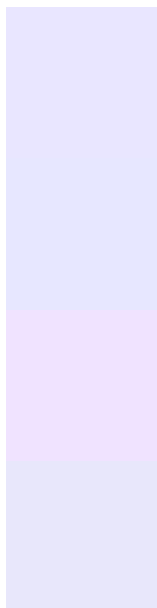
82.5546, 80.8458, 105.8614



Tritanopia

78.9535, 81.1472, 101.1242

Trichromacy



Original Color

79.9511, 81.1373, 106.0549

Protanomaly

79.5809, 81.3608, 106.1176

Deuteranomaly

81.4543, 80.6834, 105.8881

Tritanomaly

79.2672, 81.2727, 102.7762

Monochromacy



Original Color

79.9511, 81.1373, 106.0549

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.0976, 82.1811, 95.6980

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9511, 81.1373, 106.0549 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(233, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(233, 230, 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(233, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 79.9511, 81.1373, 106.0549 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(233, 230, 255) }
```


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

```
.border{ border-color:rgb(233, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(233, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9511, 81.1373, 106.0549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 230, 255) }
```

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

```
.background{ background-color: rgb(233,  
230, 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