

Converting Colors

XYZ(77.7091, 79.9712,
105.9480)

Have a look what the booklet for
XYZ(77.7091, 79.9712, 105.9480)
contains.

XYZ(77.7108, 79.9824, 105.9501)	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(77.7108, 79.9824,
105.9501)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E6FF
RGB	226, 230, 255
RGB Percent	89%, 90%, 100%
CMY	0.1137, 0.0980, 0.0000
CMYK	0.11, 0.10, 0.00, 0.00
HSL	232°, 100%, 94%
HSV	232°, 11%, 100%
XYZ	77.7108, 79.9824, 105.9501
YIQ	231.6540, -10.4090, 6.9270

Conversions

Conversions Part 2

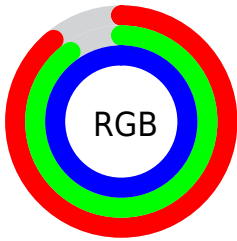
Format	Color
R_{YB}	226, 230, 255
Decimal	14870271
CIE _{Lab}	91.68, 3.41, -12.54
CIE _{LCh}	92, 12.994, 285.232
Yxy	79.9824, 0.2948, 0.3034
Android (android.graphics.Color)	4293060351 (0xFFE2E6FF)
YUV	231.6540, 11.5096, -4.9586
Hunter-Lab	89.4329, -1.4038, -7.6372

Details

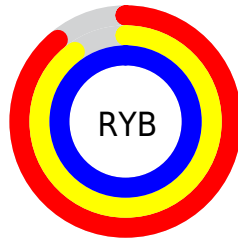
The XYZ color **77.7108, 79.9824, 105.9501** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.4639, 95.7434, 85.7180**, and the grayscale version is **76.3673, 80.3444, 87.4950**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3176, 43.3951, 59.5718** is the 20% darker color. If you saturate the color by 10%, you get **64.5659, 64.6929, 103.6917**, and if you desaturate by 10%, it is **92.8204, 97.4339, 108.5222**.

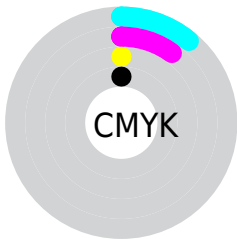
Distribution



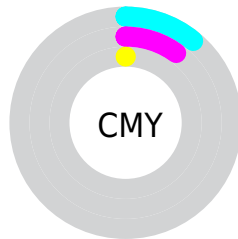
- Red (89%)
- Green (90%)
- Blue (100%)



- Red (89%)
- Yellow (90%)
- Blue (100%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7108, 79.9824, 105.9501 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 77.7108, 79.9824, 105.9501 by changing the saturation by 10% instead.

■ 77.7108, 79.9824,
105.9501

■ 77.7108, 79.9824,
105.9501

476.0390,
494.8735, 600.5143

■ 58.1384, 59.7039,
80.6345

129.1099,
133.3410, 171.4332

■ 42.1636, 43.1800,
59.7114

161.6673,
167.1898, 212.4377

■ 29.4211, 30.0264,
42.7622

199.2837,
206.3309, 259.5089

■ 19.5455, 19.8586,
29.3686

242.3246,
251.1486, 313.0653

■ 12.1714, 12.2923,
19.1119

291.1551,
302.0273, 373.5255

■ 6.9336, 6.9431,
11.5735

346.1408,

■ 3.4665, 3.4265,

359.3515, 441.3081

6.3350

407.6470,
423.5054, 516.8315

■ 1.4050, 1.3583,
2.9778

■ 0.2598, 0.1857,
1.0833

■ 77.7108, 79.9824,
105.9501

■ 77.7108, 79.9824,
105.9501

■ 64.5659, 64.6929,
103.6917

■ 92.8204, 97.4339,
108.5222

■ 53.2983, 51.4714,
101.7336

95.0500, 100.0000,
108.9000

■ 43.8236, 40.2316,
100.0635

■ 36.0484, 30.8771,
98.6677

■ 29.8707, 23.3035,
97.5314

■ 25.1774, 17.3958,
96.6385

■ 21.8402, 13.0257,
95.9708

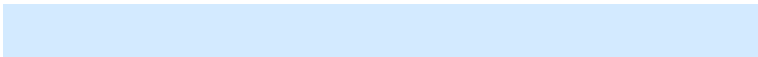
■ 19.7079, 10.0446,
95.5078

■ 18.6571, 8.4341,
95.2524

Harmonies

Analogous

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



74.4048, 79.9824, 105.9938



77.7108, 79.9824, 105.9501



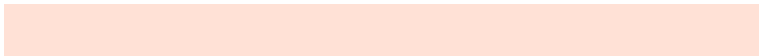
80.6448, 79.9824, 100.6108

Triad

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



77.7108, 79.9824, 105.9501



80.6069, 79.9824, 74.7388



70.0122, 79.9824, 82.5084

Complementary

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



77.7108, 79.9824, 105.9501



89.4639, 95.7434, 85.7180

Split Complementary

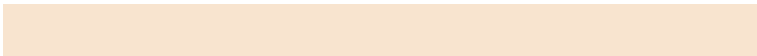
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.5771, 79.9824, 74.8333



77.7108, 79.9824, 105.9501



77.6602, 79.9824, 70.5743

Square

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



77.7108, 79.9824, 105.9501



82.3497, 79.9824, 82.3706



74.3556, 79.9824, 70.6076



70.0249, 79.9824, 91.9805

Rectangle

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



77.7108, 79.9824, 105.9501



81.9674, 79.9824, 94.9753



74.3556, 79.9824, 70.6076



70.3692, 79.9824, 79.6485

Sweetspot

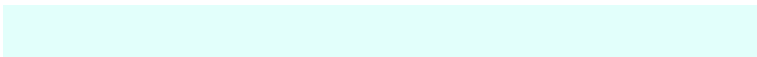
The Sweet Spot groups the original color and five complimentary colors.



77.7129, 79.9857, 105.9506



90.2237, 94.4427, 108.0817



84.4821, 94.6321, 104.7912



19.0421, 19.9040, 23.0882



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.



77.7129, 79.9857, 105.9506



74.0709, 75.7609, 105.3271



79.8892, 79.4726, 105.7369



17.2052, 17.7820, 22.7754



9.8099, 4.5294, 49.7918



1.0138, 0.5584, 4.8676

Inverse Universe

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



82.7206, 81.3673, 86.2124



80.1354, 77.4739, 81.4140



87.0919, 96.3967, 85.9691



18.1115, 18.0279, 19.2042



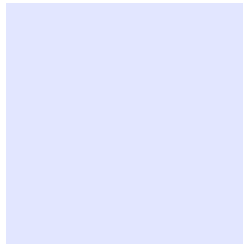
21.7398, 11.1852, 2.0142



2.1463, 1.1009, 0.3521

Previews

White Background



This preview shows how the XYZ color 77.7108, 79.9824, 105.9501 looks on a white background.

Color Contrast Check

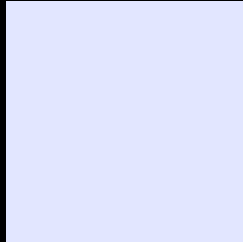
Large Text (above 18pt) WCAG AA × Fail

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 77.7108, 79.9824, 105.9501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

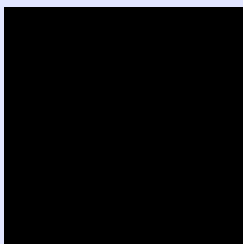
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7108, 79.9824, 105.9501

Background



This preview shows how black text looks on a background with the XYZ color 77.7108, 79.9824, 105.9501.



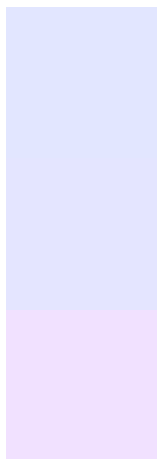
This preview shows how white text looks on a background with the XYZ color 77.7108, 79.9824,

105.9501.

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

77.7108, 79.9824, 105.9501

Protanopia

78.0642, 79.7526, 105.8871

Deuteranopia

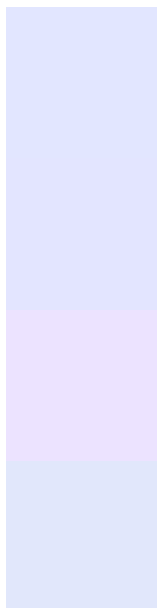
81.2508, 79.7712, 105.7227



Tritanopia

76.7261, 79.9989, 101.0200

Trichromacy



Original Color

77.7108, 79.9824, 105.9501

Protanomaly

77.7479, 79.5895, 105.8723

Deuteranomaly

80.1112, 79.9910, 105.8252

Tritanomaly

77.0398, 80.1244, 102.6719

Monochromacy



Original Color

77.7108, 79.9824, 105.9501

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.9372, 80.2661, 93.8760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7108, 79.9824, 105.9501 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(226, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(226, 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(226, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 230, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.7108, 79.9824, 105.9501 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(226, 230, 255) }
```


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

```
.border{ border-color:rgb(226, 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(226, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(226, 230,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7108, 79.9824, 105.9501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 230, 255) }
```

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

```
.background{ background-color: rgb(226,  
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