

Converting Colors

XYZ(77.7433, 79.3349,
105.8234)

Have a look what the booklet for
XYZ(77.7433, 79.3349, 105.8234)
contains.

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Color

**XYZ(77.7883, 79.2008,
105.7951)**

Conversions

Conversions Part 1

Format	Color
Hex	E4E4FF
RGB	228, 228, 255
RGB Percent	89%, 89%, 100%
CMY	0.1059, 0.1059, 0.0000
CMYK	0.11, 0.11, 0.00, 0.00
HSL	240°, 100%, 95%
HSV	240°, 11%, 100%
XYZ	77.7883, 79.2008, 105.7951
YIQ	231.0780, -8.6670, 8.3970

Conversions

Conversions Part 2

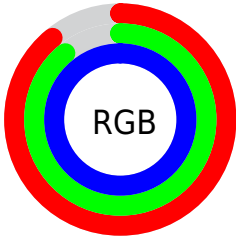
Format	Color
R _Y B	228, 228, 255
Decimal	15000831
CIE Lab	91.33, 5.09, -13.05
CIE LCh	91, 14.004, 291.296
Yxy	79.2008, 0.2960, 0.3014
Android (android.graphics.Color)	4293190911 (0xFFE4E4FF)
YUV	231.0780, 11.7935, -2.6994
Hunter-Lab	88.9948, 0.2817, -8.1863

Details

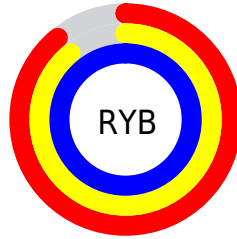
The XYZ color **77.7883, 79.2008, 105.7951** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **91.0029, 98.3796, 87.5931**, and the grayscale version is **75.9352, 79.8897, 86.9999**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.1499, 42.7350, 59.4532** is the 20% darker color. If you saturate the color by 10%, you get **63.7832, 62.3267, 103.2763**, and if you desaturate by 10%, it is **94.0251, 98.7651, 108.7157**.

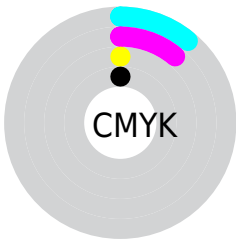
Distribution



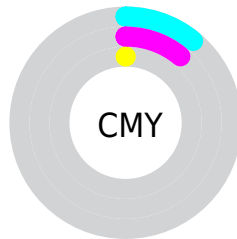
- Red (89%)
- Green (89%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.7883, 79.2008, 105.7951 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 77.7883, 79.2008, 105.7951 by changing the saturation by 10% instead.

■ 77.7883, 79.2008,
105.7951

■ 77.7883, 79.2008,
105.7951

476.2984,
492.2354, 600.0214

■ 58.2023, 59.0609,
80.5053

129.2186,
132.2415, 171.2195

■ 42.2152, 42.6622,
59.6056

161.7936,
165.9111, 212.1912

■ 29.4617, 29.6201,
42.6776

199.4289,
204.8594, 259.2272

■ 19.5764, 19.5504,
29.3027

242.4899,
249.4709, 312.7461

■ 12.1940, 12.0687,
19.0624

291.3421,
300.1298, 373.1664

■ 6.9490, 6.7905,
11.5381

346.3506,

■ 3.4763, 3.3314,

357.2206, 440.9067

6.3113

407.8809,
421.1276, 516.3856

■ 1.4104, 1.3071,
2.9634

■ 0.2636, 0.1467,
1.0760

■ 77.7883, 79.2008,
105.7951

■ 77.7883, 79.2008,
105.7951

■ 63.7832, 62.3267,
103.2763

94.0251, 98.7651,
108.7157

■ 51.9063, 48.0161,
101.1400

95.0500, 100.0000,
108.9000

■ 42.0554, 36.1465,
99.3682

■ 34.1175, 26.5819,
97.9404

■ 27.9685, 19.1725,
96.8343

■ 23.4695, 13.7512,
96.0250

■ 20.4614, 10.1264,
95.4839

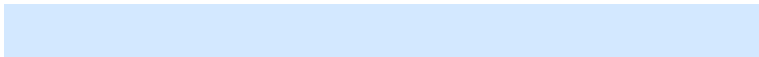
■ 18.7540, 8.0687,
95.1767

■ 18.0503, 7.2206,
95.0501

Harmonies

Analogous

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



74.2481, 79.2008, 107.0739



77.7883, 79.2008, 105.7951



80.7401, 79.2008, 99.0676

Triad

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



77.7883, 79.2008, 105.7951



79.6343, 79.2008, 71.8415



68.7204, 79.2008, 83.3071

Complementary

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



77.7883, 79.2008, 105.7951



91.0029, 98.3796, 87.5931

Split Complementary

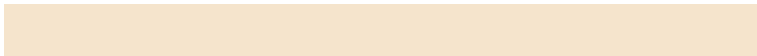
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0679, 79.2008, 74.5636



77.7883, 79.2008, 105.7951



76.3173, 79.2008, 68.2942

Square

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



77.7883, 79.2008, 105.7951



81.8290, 79.2008, 79.3190



72.8223, 79.2008, 69.2500



69.0863, 79.2008, 93.5443

Rectangle

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



77.7883, 79.2008, 105.7951



81.9409, 79.2008, 92.6685



72.8223, 79.2008, 69.2500



68.9864, 79.2008, 80.1087

Sweetspot

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



77.7904, 79.2040, 105.7957



89.8995, 93.7942, 107.9736



85.7332, 95.2054, 108.0863



18.9551, 19.7299, 23.0592



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.



77.7904, 79.2040, 105.7957



74.2107, 74.8909, 105.1518



82.0871, 81.4177, 105.9965



17.0033, 17.3782, 22.7081



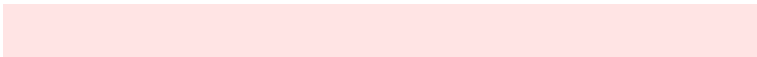
9.4318, 3.7731, 49.6658



0.9184, 0.3675, 4.8358

Inverse Universe

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



82.9883, 82.3497, 84.9237



80.4867, 78.6890, 79.9510



86.3650, 95.9901, 87.3764



18.0095, 17.9871, 18.6674



21.5489, 11.1089, 1.0091



2.0982, 1.0816, 0.0984

Previews

White Background



This preview shows how the XYZ color 77.7883, 79.2008, 105.7951 looks on a white background.

Color Contrast Check

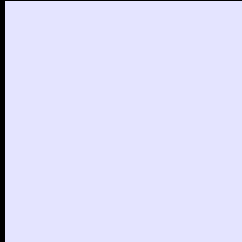
Large Text (above 18pt) WCAG AA × Fail

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 77.7883, 79.2008, 105.7951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

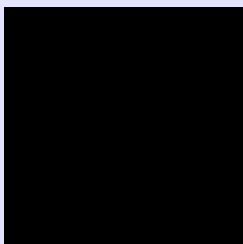
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7883, 79.2008, 105.7951

Background



This preview shows how black text looks on a background with the XYZ color 77.7883, 79.2008, 105.7951.



This preview shows how white text looks on a background with the XYZ color 77.7883, 79.2008,

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

77.7883, 79.2008, 105.7951

Protanopia

77.4720, 79.0377, 105.7803

Deuteranopia

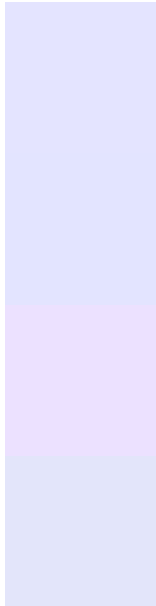
80.6408, 79.0566, 105.6170



Tritanopia

76.4864, 79.0849, 99.2293

Trichromacy



Original Color

77.7883, 79.2008, 105.7951

Protanomaly

77.4720, 79.0377, 105.7803

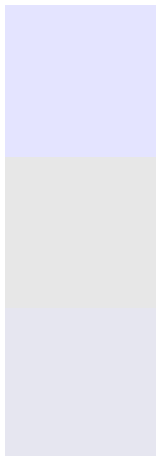
Deuteranomaly

79.5673, 78.9033, 105.6440

Tritanomaly

76.9532, 79.2716, 101.6876

Monochromacy



Original Color

77.7883, 79.2008, 105.7951

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

76.6581, 79.7079, 93.7829

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7883, 79.2008, 105.7951 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(228, 228, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 228, 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(228, 228, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 228, 255) }
```

Border

The CSS property to change the border of an element to XYZ 77.7883, 79.2008, 105.7951 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(228, 228, 255) }
```


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

```
.border{ border-color:rgb(228, 228, 255) }
```

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

Here you see how a box with a 4 pixel rgb(228, 228, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 228, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 228, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 228,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7883, 79.2008, 105.7951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 228, 255) }
```

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

```
.background{ background-color: rgb(228,  
228, 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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