

Converting Colors

XYZ(35.7821, 29.5638, 98.4282)

Have a look what the booklet for
XYZ(35.7821, 29.5638, 98.4282)
contains.

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Color

**XYZ(35.8977, 29.7005,
98.4485)**

Conversions

Conversions Part 1	
Format	Color
Hex	8089FF
RGB	128, 137, 255
RGB Percent	50%, 54%, 100%
CMY	0.4980, 0.4627, 0.0000
CMYK	0.50, 0.46, 0.00, 0.00
HSL	236°, 100%, 75%
HSV	236°, 50%, 100%
XYZ	35.8977, 29.7005, 98.4485
YIQ	147.7610, -43.2420, 34.7900

Conversions

Conversions Part 2

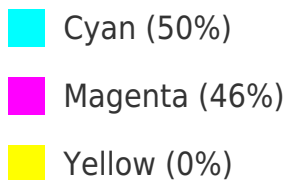
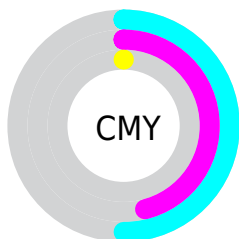
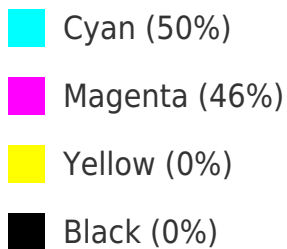
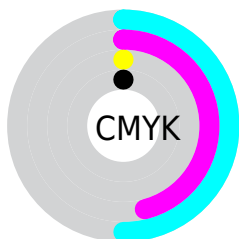
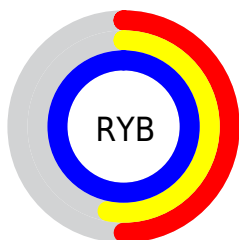
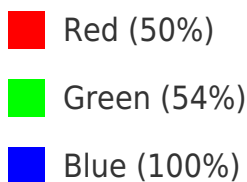
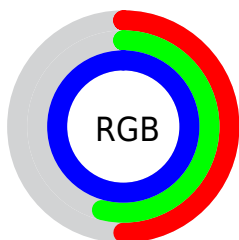
Format	Color
RYB	128, 136, 255
Decimal	8423935
CIELab	61.39, 27.82, -59.96
CIELCh	61, 66.097, 294.893
Yxy	29.7005, 0.2188, 0.1810
Android (android.graphics.Color)	4286614015 (0xFF8089FF)
YUV	147.7610, 52.8688, -17.3304
Hunter-Lab	54.4982, 22.2054, -68.9560

Details

The XYZ color **35.8977, 29.7005, 98.4485** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **78.0935, 88.7325, 33.4351**, and the grayscale version is **27.8498, 29.3001, 31.9079**.

A 20% lighter version of the original color is **56.9570, 54.6117, 102.1469**, and **15.7330, 12.0059, 54.3115** is the 20% darker color. If you saturate the color by 10%, you get **29.5265, 21.9535, 97.2890**, and if you desaturate by 10%, it is **43.9742, 39.4250, 99.8998**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 35.8977, 29.7005, 98.4485 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 35.8977, 29.7005, 98.4485 by changing the saturation by 10% instead.

 35.8977, 29.7005,
98.4485


 35.8977, 29.7005,
98.4485


319.9522,
300.5059, 576.4110


 24.5249, 19.6114,
74.3958


 68.1990, 59.1882,
161.0567

 15.8503, 12.1129,
54.6193


 89.8583, 79.3556,
200.4492

 9.5085, 6.8206,
38.7005


 115.6772,
103.6512, 245.7921

 5.1340, 3.3502,
26.2207

146.0210,
132.4593, 297.5039

 2.3617, 1.3172,
16.7616

181.2550,
166.1645, 356.0032

 0.8260, 0.1544,
9.9045


221.7446,


 0.0000, 0.0000,


205.1511, 421.7084


5.2309


267.8553,
249.8034, 495.0382


 0.0000, 0.0000,
2.3223


 0.0000, 0.0000,
0.7437


 35.8977, 29.7005,
98.4485


 35.8977, 29.7005,
98.4485


 29.5265, 21.9535,
97.2890


 43.9742, 39.4250,
99.8998

 24.7347, 16.0455,
96.4012

 53.8631, 51.2472,
101.6605

 21.3845, 11.8242,
95.7630

 65.6666, 65.2809,
103.7472

 19.3122, 9.1118,
95.3486

 79.4785, 81.6312,
106.1752

■ 18.2814, 7.6734, 95.0500, 100.0000,
95.1253 108.9000

■ 18.2673, 7.6547,
95.1224

Harmonies

Analogous

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



26.7620, 29.7005, 107.7011



35.8977, 29.7005, 98.4485



44.3015, 29.7005, 68.5960

Triad

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



35.8977, 29.7005, 98.4485



39.0208, 29.7005, 6.8045



14.5978, 29.7005, 28.2469

Complementary

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



35.8977, 29.7005, 98.4485



78.0935, 88.7325, 33.4351

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.



16.6073, 29.7005, 11.8272



35.8977, 29.7005, 98.4485



29.7496, 29.7005, 4.2055

Square

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



35.8977, 29.7005, 98.4485



46.3494, 29.7005, 16.0355



21.7392, 29.7005, 5.4006



15.5805, 29.7005, 57.0767

Rectangle

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



35.8977, 29.7005, 98.4485



47.7253, 29.7005, 46.5495



21.7392, 29.7005, 5.4006



14.9310, 29.7005, 21.3617

Sweetspot

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



35.8988, 29.7014, 98.4486



72.0426, 72.8366, 104.8696



61.0555, 82.6666, 98.6587



14.8086, 14.8658, 22.3388



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.



35.8988, 29.7014, 98.4486



29.4166, 21.8190, 97.2688



44.8072, 32.4739, 98.5142



17.1063, 17.5843, 22.7425



9.5825, 4.0747, 49.7160



0.9673, 0.4654, 4.8521

Inverse Universe

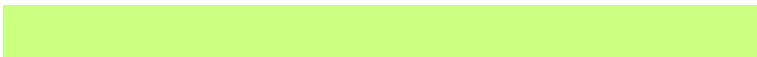
The Inverse Universe completely reimagines the original color for something new.



53.4754, 38.5060, 28.2815



48.9629, 31.9514, 19.1618



64.0369, 85.6472, 33.5804



18.0616, 18.0079, 18.9414



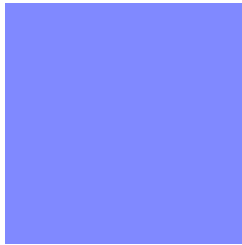
21.6250, 11.1393, 1.4099



2.1229, 1.0915, 0.2285

Previews

White Background



This preview shows how the XYZ color 35.8977, 29.7005, 98.4485 looks on a white background.

Color Contrast Check

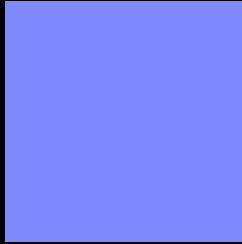
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.8977, 29.7005, 98.4485 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

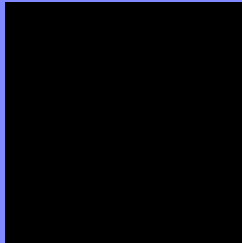
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.8977, 29.7005, 98.4485

Background



This preview shows how black text looks on a background with the XYZ color 35.8977, 29.7005, 98.4485.



This preview shows how white text looks on a background with the XYZ color 35.8977, 29.7005,

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

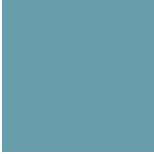
35.8977, 29.7005, 98.4485

Protanopia

33.0603, 29.7632, 98.6101

Deuteranopia

30.9167, 29.8628, 96.2301

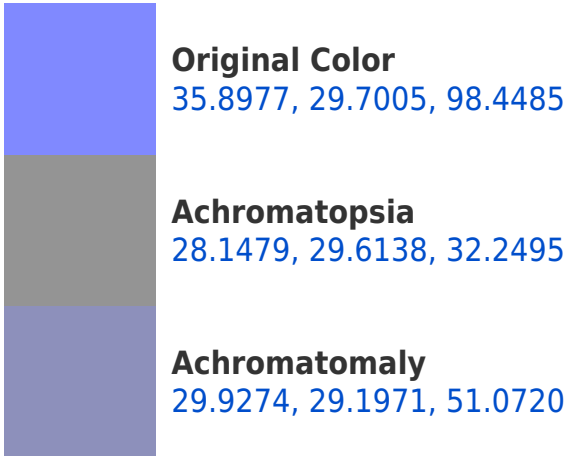


Tritanopia
24.6979, 29.8033, 41.9870

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8977, 29.7005, 98.4485 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(128, 137, 255) looks like.

```
.text, #text, p{  
    color:rgb(128, 137, 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(128, 137, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 137, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.8977, 29.7005, 98.4485 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(128, 137, 255) }
```

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

```
.border{ border-color:rgb(128, 137, 255) }
```

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

Here you see how a box with a 4 pixel rgb(128, 137, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 137, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 137, 255);  
box-shadow:4px 4px 4px 4px rgb(128, 137,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8977, 29.7005, 98.4485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 137, 255) }
```

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

```
.background{ background-color: rgb(128,  
137, 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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