

Converting Colors

XYZ(60.1717, 37.4072,
124.6474)

Have a look what the booklet for
XYZ(60.1717, 37.4072, 124.6474)
contains.

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Color

**XYZ(55.2321, 35.4890,
98.5468)**

Conversions

Conversions Part 1

Format	Color
Hex	E173FF
RGB	225, 115, 255
RGB Percent	88%, 45%, 100%
CMY	0.1176, 0.5490, 0.0000
CMYK	0.12, 0.55, 0.00, 0.00
HSL	287°, 100%, 73%
HSV	287°, 55%, 100%
XYZ	55.2321, 35.4890, 98.5468
YIQ	163.8500, 20.6200, 66.8600

Conversions

Conversions Part 2

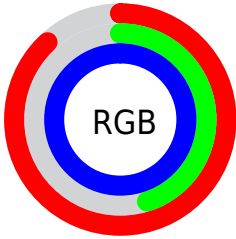
Format	Color
R _Y B	225, 115, 255
Decimal	14775295
CIE Lab	66.13, 63.24, -51.86
CIE LCh	66, 81.788, 320.648
Yxy	35.4890, 0.2918, 0.1875
Android (android.graphics.Color)	4292965375 (0xFFE173FF)
YUV	163.8500, 44.9370, 53.6286
Hunter-Lab	59.5726, 61.2421, -56.3784

Details

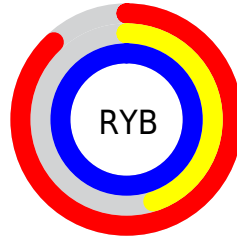
The XYZ color **55.2321, 35.4890, 98.5468** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **50.5322, 78.7779, 28.7634**, and the grayscale version is **35.0030, 36.8259, 40.1034**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **27.6934, 15.4206, 54.9430** is the 20% darker color. If you saturate the color by 10%, you get **51.0402, 29.5927, 97.6296**, and if you desaturate by 10%, it is **60.2850, 43.0242, 99.7349**.

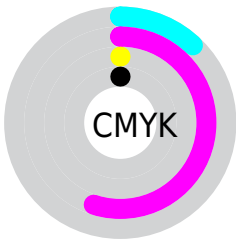
Distribution



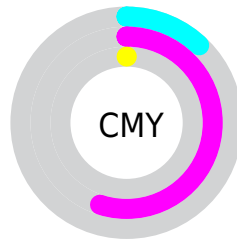
- Red (88%)
- Green (45%)
- Blue (100%)



- Red (88%)
- Yellow (45%)
- Blue (100%)



- Cyan (12%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)





- Cyan (12%)
- Magenta (55%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.2321, 35.4890, 98.5468 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 55.2321, 35.4890, 98.5468 by changing the saturation by 10% instead.


 55.2321, 35.4890,
98.5468


 55.2321, 35.4890,
98.5468


396.9133,
326.7215, 576.7303


 39.8222, 24.0398,
74.4774

 97.0273, 68.2426,
161.1931

 27.5835, 15.3631,
54.6857

 124.1432, 90.3158,
200.6071

 18.1508, 9.0746,
38.7532


 155.8919,
116.6992, 245.9730

 11.1586, 4.7899,
26.2614

192.6386,
147.7770, 297.7094

 6.2417, 2.1245,
16.7918

234.7487,
183.9338, 356.2347

 3.0347, 0.6784,
9.9258

282.5877,

 1.1721, 0.0000,

225.5539, 421.9677

5.2448

336.5207,
273.0216, 495.3267

■ 0.0842, 0.0000,
2.3304

■ 0.0000, 0.0000,
0.7482

■ 55.2321, 35.4890,
98.5468

■ 55.2321, 35.4890,
98.5468

■ 51.0402, 29.5927,
97.6296

■ 60.2850, 43.0242,
99.7349

■ 47.6369, 25.1946,
96.9600

■ 66.2560, 52.3151,
101.2135

■ 44.9437, 22.1372,
96.5119

■ 73.2015, 63.4723,
103.0010

■ 42.8624, 20.2250,
96.2525

■ 81.1719, 76.5965,
105.1141

41.9656, 19.5489,
96.1692

90.2143, 91.7808,
107.5684

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



42.6653, 35.4890, 141.2659



55.2321, 35.4890, 98.5468



62.4589, 35.4890, 50.5757

Triad

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



55.2321, 35.4890, 98.5468



37.6750, 35.4890, 3.0739



16.2424, 35.4890, 67.3877

Complementary

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



55.2321, 35.4890, 98.5468



50.5322, 78.7779, 28.7634

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.



15.5216, 35.4890, 28.7499



55.2321, 35.4890, 98.5468



26.1404, 35.4890, 3.7490

Square

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



55.2321, 35.4890, 98.5468



50.8339, 35.4890, 6.5477



18.6900, 35.4890, 9.8358



20.9722, 35.4890, 116.9854

Rectangle

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



55.2321, 35.4890, 98.5468



62.3206, 35.4890, 27.5430



18.6900, 35.4890, 9.8358



15.5764, 35.4890, 52.3806

Sweetspot

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



55.2333, 35.4904, 98.5470



80.2437, 75.0539, 104.8653



35.2978, 31.2191, 98.7732



16.8110, 15.4609, 22.3482



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.



55.2333, 35.4904, 98.5470



50.6285, 29.0383, 97.5443



59.6801, 38.4460, 68.7910



18.3893, 18.0924, 22.7729



22.0589, 10.2823, 50.2566



2.2381, 1.0477, 4.8975

Inverse Universe

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



52.4823, 35.5669, 30.8879



48.1843, 29.4520, 21.8063



48.7195, 77.5206, 43.2604



18.1686, 18.0508, 19.5052



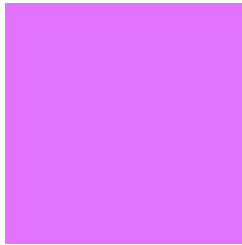
21.9487, 11.2688, 3.1143



2.1751, 1.1124, 0.5035

Previews

White Background



This preview shows how the XYZ color 55.2321, 35.4890, 98.5468 looks on a white background.

Color Contrast Check

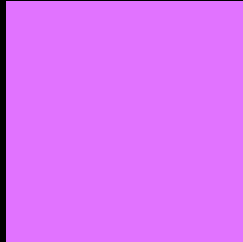
Large Text (above 18pt) WCAG AA × Fail

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 55.2321, 35.4890, 98.5468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

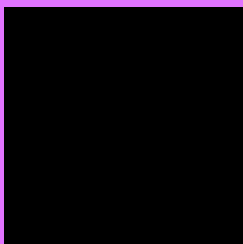
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 55.2321, 35.4890, 98.5468

Background



This preview shows how black text looks on a background with the XYZ color 55.2321, 35.4890, 98.5468.



This preview shows how white text looks on a background with the XYZ color 55.2321, 35.4890,

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

55.2321, 35.4890, 98.5468

Protanopia

38.4452, 35.8847, 99.5079

Deuteranopia

36.8305, 35.7086, 92.9470



Tritanopia

42.2045, 35.4619, 34.3262

Trichromacy



Original Color

55.2321, 35.4890, 98.5468



Protanomaly

42.2202, 34.0396, 98.9528



Deuteranomaly

41.1332, 34.0167, 94.8404

Tritanomaly

45.7555, 34.7756, 52.4449

Monochromacy



Original Color

55.2321, 35.4890, 98.5468



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

40.6066, 35.0281, 57.4442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2321, 35.4890, 98.5468 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, 115, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 115, 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, 115, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 115, 255) }
```

Border

The CSS property to change the border of an element to XYZ 55.2321, 35.4890, 98.5468 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, 115, 255) }
```


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

```
.border{ border-color:rgb(225, 115, 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, 115, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 115, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 115, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 115,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2321, 35.4890, 98.5468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 115, 255) }
```

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

```
.background{ background-color: rgb(225,  
115, 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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