

Converting Colors

XYZ(35.7953, 24.2691, 44.5735)

Have a look what the booklet for
XYZ(35.7953, 24.2691, 44.5735)
contains.

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Color

**XYZ(35.7817, 24.2944,
44.3984)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | C664B1 |
| RGB | 198, 100, 177 |
| RGB Percent | 78%, 39%, 69% |
| CMY | 0.2235, 0.6078, 0.3059 |
| CMYK | 0.00, 0.49, 0.11, 0.22 |
| HSL | 313°, 46%, 58% |
| HSV | 313°, 49%, 78% |
| XYZ | 35.7817, 24.2944, 44.3984 |
| YIQ | 138.0800, 33.6910, 44.7230 |

Conversions

Conversions Part 2

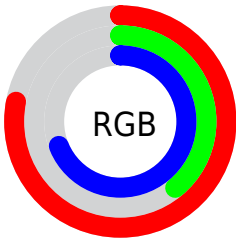
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 198, 100, 177 |
| Decimal | 13001905 |
| CIE Lab | 56.38, 49.04, -23.51 |
| CIE LCh | 56, 54.387, 334.385 |
| Yxy | 24.2944, 0.3425, 0.2325 |
| Android (android.graphics.Color) | 4291191985 (0xFFC664B1) |
| YUV | 138.0800, 19.1876, 52.5498 |
| Hunter-Lab | 49.2893, 43.3261, -18.9041 |

Details

The XYZ color **35.7817, 24.2944, 44.3984** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **28.9019, 44.4788, 25.1528**, and the grayscale version is **24.1088, 25.3644, 27.6218**.

A 20% lighter version of the original color is **67.5036, 50.2544, 83.2330**, and **15.8099, 9.2390, 20.0188** is the 20% darker color. If you saturate the color by 10%, you get **33.6920, 20.7810, 41.6477**, and if you desaturate by 10%, it is **38.3475, 28.7382, 47.3732**.

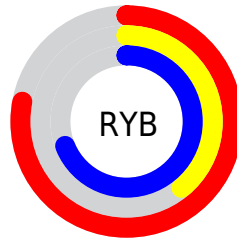
Distribution



Red (78%)

Green (39%)

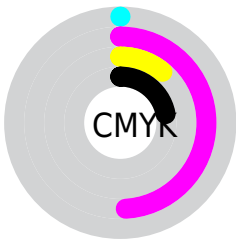
Blue (69%)



Red (78%)

Yellow (39%)

Blue (69%)

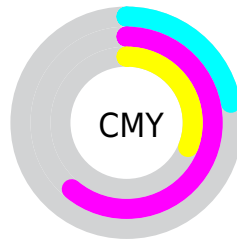


Cyan (0%)

Magenta (49%)

Yellow (11%)

Black (22%)



Cyan (22%)


Magenta (61%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.7817, 24.2944, 44.3984 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 35.7817, 24.2944, 44.3984 by changing the saturation by 10% instead.


 35.7817, 24.2944,
44.3984


 35.7817, 24.2944,
44.3984

319.4533,
274.3055, 380.4204

 24.4350, 15.5522,
30.6443


 68.0211, 50.5102,
83.1258


 15.7831, 9.2078,
20.0720


 89.6444, 68.7525,
108.9361

 9.4607, 4.8770,
12.2628


 115.4240, 90.9303,
139.6024

 5.1024, 2.1753,
6.7982

 145.7252,
117.4280, 175.5430

 2.3428, 0.7065,
3.2597

180.9134,
148.6300, 217.1766

 0.8164, 0.0000,
1.2287

221.3539,

 0.0000, 0.0000,

184.9206, 264.9217

0.0023

267.4121,
226.6843, 319.1968

■ 0.0000, 0.0000,
0.0000

■ 35.7817, 24.2944,
44.3984

■ 35.7817, 24.2944,
44.3984

■ 33.6920, 20.7810,
41.6477

■ 38.3475, 28.7382,
47.3732

■ 32.0420, 18.1266,
39.1075

■ 41.4179, 34.1702,
50.5814

■ 30.7937, 16.2547,
36.7650


■ 45.0217, 40.6477,
54.0335


■ 29.9012, 15.0741,
34.6043


■ 49.1848, 48.2223,
57.7386


■ 29.2824, 14.4207,
32.5973


■ 53.9316, 56.9424,
61.7054

 29.2533, 14.3917,
32.4979

 59.2849, 66.8536,
65.9421

 65.2662, 77.9987,
70.4563

 70.8000, 88.2263,
74.8901

 71.3390, 88.4419,
77.7282

Harmonies

Analogous

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



30.6045, 24.2944, 66.4901



35.7817, 24.2944, 44.3984



37.3459, 24.2944, 23.8954

Triad

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



35.7817, 24.2944, 44.3984



22.1801, 24.2944, 4.7828



14.4902, 24.2944, 51.1860

Complementary

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



35.7817, 24.2944, 44.3984



28.9019, 44.4788, 25.1528

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.



13.0220, 24.2944, 29.1858



35.7817, 24.2944, 44.3984



16.9205, 24.2944, 6.9454

Square

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



35.7817, 24.2944, 44.3984



28.7152, 24.2944, 5.9166



13.8239, 24.2944, 14.1408



18.2539, 24.2944, 71.4992

Rectangle

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



35.7817, 24.2944, 44.3984



35.9286, 24.2944, 14.5887



13.8239, 24.2944, 14.1408



13.7462, 24.2944, 43.4547

Sweetspot

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



35.7825, 24.2955, 44.3989



82.7466, 77.4602, 98.4266



22.4417, 17.1574, 55.5556



17.3819, 15.9818, 20.7706



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.



35.7825, 24.2955, 44.3989



59.5327, 36.5864, 73.5659



31.8359, 22.7169, 23.6167



10.9820, 10.7762, 12.8886



19.0565, 9.3721, 21.3050



0.9273, 0.4538, 1.1404

Inverse Universe

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



35.7825, 24.2955, 44.3989



59.5327, 36.5864, 73.5659



32.5745, 45.9479, 44.4926



10.9820, 10.7762, 12.8886



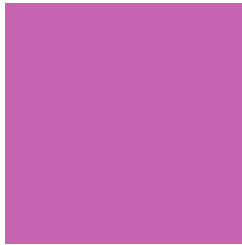
19.0565, 9.3721, 21.3050



0.9273, 0.4538, 1.1404

Previews

White Background



This preview shows how the XYZ color 35.7817, 24.2944, 44.3984 looks on a white background.

Color Contrast Check

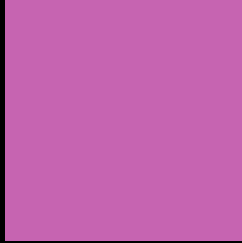
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.7817, 24.2944, 44.3984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

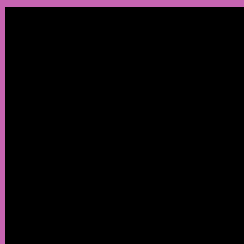
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.7817, 24.2944, 44.3984

Background



This preview shows how black text looks on a background with the XYZ color 35.7817, 24.2944, 44.3984.

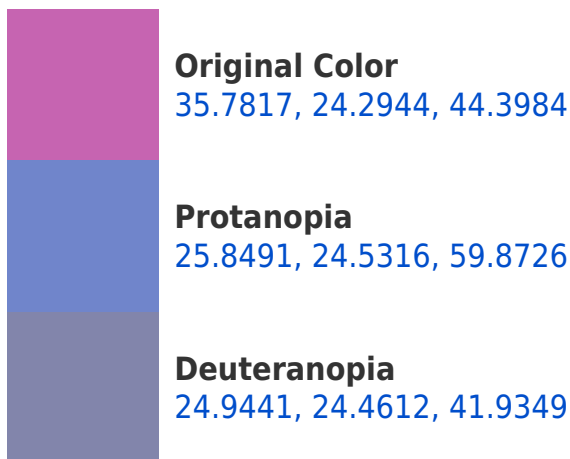


This preview shows how white text looks on a background with the XYZ color 35.7817, 24.2944,

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

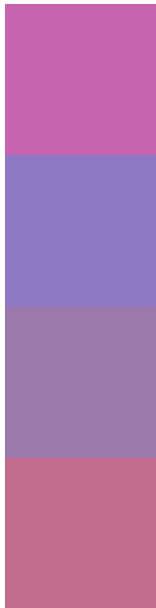




Tritanopia

31.0945, 24.3972, 21.1594

Trichromacy



Original Color

35.7817, 24.2944, 44.3984

Protanomaly

27.9027, 23.4094, 54.0868

Deuteranomaly

27.8978, 23.6604, 42.6317

Tritanomaly

32.4184, 24.1175, 28.1458

Monochromacy



Original Color

35.7817, 24.2944, 44.3984

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

27.3724, 24.1559, 32.9256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7817, 24.2944, 44.3984 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(198, 100, 177)` looks like.

```
.text, #text, p{  
    color:rgb(198, 100, 177)  
}
```

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(198, 100, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 100, 177) }
```

Border

The CSS property to change the border of an element to XYZ 35.7817, 24.2944, 44.3984 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(198, 100, 177) }
```


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

```
.border{ border-color:rgb(198, 100, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 100, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 100, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 100, 177);  
box-shadow:4px 4px 4px 4px rgb(198, 100,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7817, 24.2944, 44.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 100, 177) }
```

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

```
.background{ background-color: rgb(198,  
100, 177) }
```

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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