

Converting Colors

XYZ(33.5900, 22.5121, 28.7194)

Have a look what the booklet for
XYZ(33.5900, 22.5121, 28.7194)
contains.

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Color

**XYZ(33.5009, 22.5084,
28.5655)**

Conversions

Conversions Part 1

Format	Color
Hex	CB5D8F
RGB	203, 93, 143
RGB Percent	80%, 36%, 56%
CMY	0.2039, 0.6353, 0.4392
CMYK	0.00, 0.54, 0.30, 0.20
HSL	333°, 51%, 58%
HSV	333°, 54%, 80%
XYZ	33.5009, 22.5084, 28.5655
YIQ	131.5900, 49.5100, 38.8700

Conversions

Conversions Part 2

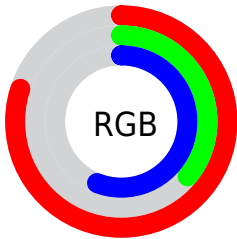
Format	Color
R_{YB}	203, 93, 143
Decimal	13327759
CIE _{Lab}	54.56, 49.04, -6.37
CIE _{LCh}	55, 49.455, 352.594
Yxy	22.5084, 0.3961, 0.2661
Android (android.graphics.Color)	4291517839 (0xFFCB5D8F)
YUV	131.5900, 5.6251, 62.6266
Hunter-Lab	47.4430, 43.0188, -2.4885

Details

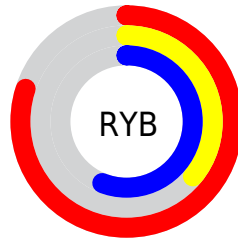
The XYZ color **33.5009, 22.5084, 28.5655** is a dark color, and the websafe version is hex **CC6699**. The color can be described as middle muted rose. A complement of this color would be **31.6211, 47.3396, 37.6104**, and the grayscale version is **21.7534, 22.8863, 24.9232**.

A 20% lighter version of the original color is **61.7518, 46.1587, 58.4782**, and **14.5230, 8.2875, 11.1901** is the 20% darker color. If you saturate the color by 10%, you get **31.1518, 19.0871, 23.8461**, and if you desaturate by 10%, it is **36.4069, 26.9108, 33.8796**.

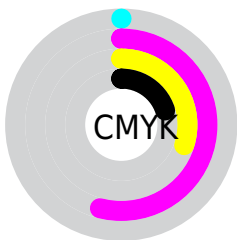
Distribution



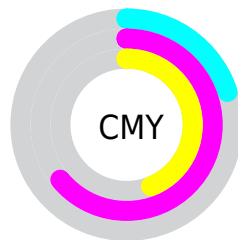
- Red (80%)
- Green (36%)
- Blue (56%)



- Red (80%)
- Yellow (36%)
- Blue (56%)



- Cyan (0%)
- Magenta (54%)
- Yellow (30%)
- Black (20%)




- Cyan (20%)
- Magenta (64%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.5009, 22.5084, 28.5655 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 33.5009, 22.5084, 28.5655 by changing the saturation by 10% instead.

 33.5009, 22.5084,
28.5655

 33.5009, 22.5084,
28.5655


309.5260,
265.1899, 309.1558


 22.6715, 14.2309,
18.5096


 64.5062, 47.5848,
58.4200

 14.4705, 8.2815,
11.1433


 85.4129, 65.1526,
79.0556

 8.5325, 4.2756,
6.0479


 110.4093, 86.5860,
104.0550

 4.4922, 1.8289,
2.8050

 139.8609,
112.2693, 133.8365

 1.9842, 0.5051,
0.9959

174.1331,
142.5869, 168.8189

 0.6251, 0.0000,
0.0000

213.5910,

 0.0000, 0.0000,

177.9233, 209.4205

0.0000

258.6003,
218.6628, 256.0600

■ 33.5009, 22.5084,
28.5655

■ 33.5009, 22.5084,
28.5655

■ 31.1518, 19.0871,
23.8461

■ 36.4069, 26.9108,
33.8796

■ 29.3171, 16.5658,
19.6946

■ 39.9044, 32.3601,
39.8105

■ 27.9506, 14.8563,
16.0838

■ 44.0271, 38.9202,
46.3806

■ 26.9960, 13.8501,
12.9817

■ 48.8057, 46.6489,
53.6105

■ 26.5722, 13.4739,
11.3869

■ 54.2688, 55.6001,
61.5199

■ 60.4431, 65.8242,
70.1274

■ 67.3539, 77.3687,
79.4510

■ 74.8955, 90.0193,
89.4646

■ 76.5150, 90.6671,
97.9928

Harmonies

Analogous

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



30.8003, 22.5084, 47.5155



33.5009, 22.5084, 28.5655



32.5474, 22.5084, 14.7248

Triad

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



33.5009, 22.5084, 28.5655



17.6293, 22.5084, 5.9745



15.6597, 22.5084, 56.7410

Complementary

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



33.5009, 22.5084, 28.5655



31.6211, 47.3396, 37.6104

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.



13.1326, 22.5084, 37.8777



33.5009, 22.5084, 28.5655



14.1283, 22.5084, 10.4665

Square

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



33.5009, 22.5084, 28.5655



22.7671, 22.5084, 5.2116



12.6237, 22.5084, 20.8538



20.0764, 22.5084, 67.6996

Rectangle

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



33.5009, 22.5084, 28.5655



30.0325, 22.5084, 9.3345



12.6237, 22.5084, 20.8538



14.5939, 22.5084, 50.8117

Sweetspot

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



33.5015, 22.5095, 28.5659



80.0087, 75.3230, 87.2214



27.5816, 18.7852, 58.6723



16.7583, 15.5272, 18.1188



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.



33.5015, 22.5095, 28.5659



51.5872, 31.1480, 38.6936



30.8492, 21.9760, 12.9732



11.4208, 11.2971, 12.7505



16.9551, 8.5926, 7.4821



0.9128, 0.4585, 0.5867

Inverse Universe

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



33.5015, 22.5095, 28.5659



51.5872, 31.1480, 38.6936



35.7947, 47.6399, 63.8089



11.4208, 11.2971, 12.7505



16.9551, 8.5926, 7.4821



0.9128, 0.4585, 0.5867

Previews

White Background



This preview shows how the XYZ color 33.5009, 22.5084, 28.5655 looks on a white background.

Color Contrast Check

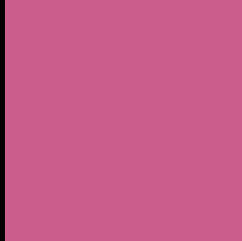
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5009, 22.5084, 28.5655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

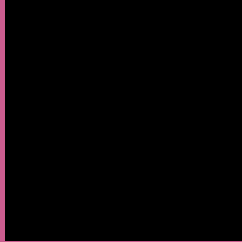
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5009, 22.5084, 28.5655

Background



This preview shows how black text looks on a background with the XYZ color 33.5009, 22.5084, 28.5655.



This preview shows how white text looks on a background with the XYZ color 33.5009, 22.5084,

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

33.5009, 22.5084, 28.5655

Protanopia

22.9837, 22.8929, 39.7666

Deuteranopia

23.1613, 22.6764, 27.2010



Tritanopia

31.0304, 22.4552, 16.6087

Trichromacy



Original Color

33.5009, 22.5084, 28.5655

Protanomaly

25.2953, 21.7705, 35.2167

Deuteranomaly

26.1742, 22.0474, 27.6870

Tritanomaly

31.7523, 22.3230, 20.4045

Monochromacy



Original Color

33.5009, 22.5084, 28.5655

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

25.0229, 22.0035, 26.2208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5009, 22.5084, 28.5655 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(203, 93, 143)` looks like.

```
.text, #text, p{  
    color:rgb(203, 93, 143)  
}
```

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(203, 93, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 93, 143) }
```

Border

The CSS property to change the border of an element to XYZ 33.5009, 22.5084, 28.5655 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(203, 93, 143) }
```


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

```
.border{ border-color:rgb(203, 93, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 93, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 93, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 93, 143);  
box-shadow:4px 4px 4px 4px rgb(203, 93,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5009, 22.5084, 28.5655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 93, 143) }
```

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

```
.background{ background-color: rgb(203, 93,  
143) }
```

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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