

Converting Colors

XYZ(33.0809, 20.5660, 35.8896)

Have a look what the booklet for
XYZ(33.0809, 20.5660, 35.8896)
contains.

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Color

**XYZ(33.1211, 20.5899,
35.9468)**

Conversions

Conversions Part 1

Format	Color
Hex	C850A1
RGB	200, 80, 161
RGB Percent	78%, 31%, 63%
CMY	0.2157, 0.6862, 0.3686
CMYK	0.00, 0.60, 0.19, 0.22
HSL	320°, 52%, 55%
HSV	320°, 60%, 78%
XYZ	33.1211, 20.5899, 35.9468
YIQ	125.1140, 45.5190, 50.6310

Conversions

Conversions Part 2

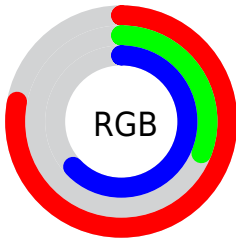
Format	Color
R _Y B	200, 80, 161
Decimal	13127841
CIE Lab	52.50, 56.60, -20.13
CIE LCh	52, 60.075, 340.424
Yxy	20.5899, 0.3694, 0.2296
Android (android.graphics.Color)	4291317921 (0xFFC850A1)
YUV	125.1140, 17.6918, 65.6750
Hunter-Lab	45.3761, 50.8833, -15.2061

Details

The XYZ color **33.1211, 20.5899, 35.9468** is a light color, and the websafe version is hex **CC3399**. The color can be described as light muted rose. A complement of this color would be **27.2934, 44.3466, 24.5760**, and the grayscale version is **19.4638, 20.4774, 22.2999**.

A 20% lighter version of the original color is **62.2986, 43.5458, 70.0874**, and **14.2733, 7.3143, 15.1275** is the 20% darker color. If you saturate the color by 10%, you get **31.3102, 17.8616, 32.5881**, and if you desaturate by 10%, it is **35.3988, 24.2036, 39.6085**.

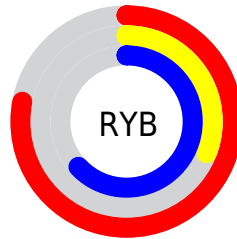
Distribution



Red (78%)

Green (31%)

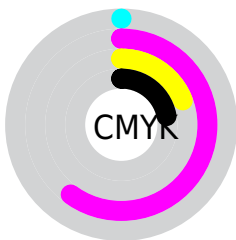
Blue (63%)



Red (78%)

Yellow (31%)

Blue (63%)

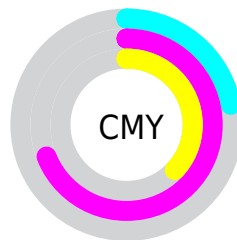


Cyan (0%)

Magenta (60%)

Yellow (19%)

Black (22%)



Cyan (22%)


Magenta (69%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1211, 20.5899, 35.9468 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 33.1211, 20.5899, 35.9468 by changing the saturation by 10% instead.

 33.1211, 20.5899,
35.9468


 33.1211, 20.5899,
35.9468


307.8504,
255.0909, 343.7583

 22.3789, 12.8246,
24.1037


 63.9180, 44.4040,
70.1181

 14.2537, 7.3079,
15.1977


 84.7033, 61.2216,
93.2834


 8.3802, 3.6554,
8.8101

 109.5672, 81.8253,
121.0598

 4.3930, 1.4827,
4.5224

 138.8748,
106.5997, 153.8659

 1.9268, 0.2765,
1.9161

 172.9916,
135.9290, 192.1203

 0.5923, 0.0000,
0.5029

212.2829,

 0.0000, 0.0000,

170.1978, 236.2415

0.0000

257.1140,
209.7903, 286.6480

■ 33.1211, 20.5899,
35.9468

■ 33.1211, 20.5899,
35.9468

■ 31.3102, 17.8616,
32.5881

■ 35.3988, 24.2036,
39.6085

■ 29.9238, 15.9356,
29.5156

■ 38.1769, 28.7700,
43.5860

■ 28.9148, 14.7180,
26.7115

■ 41.4880, 34.3533,
47.8926

■ 28.1927, 14.0288,
24.1433

■ 45.3613, 41.0113,
52.5399

■ 28.1925, 14.0286,
24.1425

■ 49.8239, 48.7973,
57.5391

■ 54.9010, 57.7613,
62.9006

■ 60.6163, 67.9501,
68.6342

■ 66.9923, 79.4079,
74.7493

■ 72.4321, 88.9405,
80.7155

Harmonies

Analogous

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



28.3832, 20.5899, 59.8510



33.1211, 20.5899, 35.9468



33.8267, 20.5899, 16.7812

Triad

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



33.1211, 20.5899, 35.9468



17.4873, 20.5899, 2.7976



11.8120, 20.5899, 52.7252

Complementary

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



33.1211, 20.5899, 35.9468



27.2934, 44.3466, 24.5760

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.



10.0156, 20.5899, 29.1959



33.1211, 20.5899, 35.9468



12.8010, 20.5899, 5.1580

Square

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



33.1211, 20.5899, 35.9468



23.8518, 20.5899, 3.1655



10.3346, 20.5899, 12.7985



15.8342, 20.5899, 72.5708

Rectangle

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



33.1211, 20.5899, 35.9468



31.7841, 20.5899, 9.1737



10.3346, 20.5899, 12.7985



10.9708, 20.5899, 44.5895

Sweetspot

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



33.1217, 20.5909, 35.9472



79.8053, 73.2061, 92.4258



20.7663, 13.7603, 56.2054



16.6245, 14.8768, 19.2545



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.



33.1217, 20.5909, 35.9472



53.4061, 29.7725, 54.7557



29.0872, 18.9771, 14.7016



10.9308, 10.7557, 12.6189



17.9683, 8.9369, 15.5748



0.8830, 0.4360, 0.9071

Inverse Universe

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



33.1217, 20.5909, 35.9472



53.4061, 29.7725, 54.7557



31.9992, 46.2290, 49.3569



10.9308, 10.7557, 12.6189



17.9683, 8.9369, 15.5748



0.8830, 0.4360, 0.9071

Previews

White Background



This preview shows how the XYZ color 33.1211, 20.5899, 35.9468 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 33.1211, 20.5899, 35.9468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

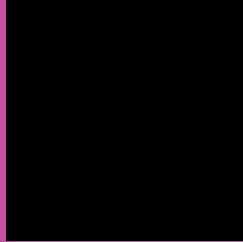
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.1211, 20.5899, 35.9468

Background



This preview shows how black text looks on a background with the XYZ color 33.1211, 20.5899, 35.9468.



This preview shows how white text looks on a background with the XYZ color 33.1211, 20.5899,

35.9468.

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

33.1211, 20.5899, 35.9468

Protanopia

22.2008, 21.0197, 53.9260

Deuteranopia

21.2279, 20.7841, 33.4648



Tritanopia

28.6893, 20.5933, 14.7747

Trichromacy



Original Color

33.1211, 20.5899, 35.9468

Protanomaly

23.9594, 19.3368, 46.7255

Deuteranomaly

24.2924, 19.6251, 34.4060

Tritanomaly

29.9963, 20.4782, 21.1106

Monochromacy



Original Color

33.1211, 20.5899, 35.9468

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

23.0050, 19.4477, 26.5860

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1211, 20.5899, 35.9468 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(200, 80, 161)` looks like.

```
.text, #text, p{  
    color:rgb(200, 80, 161)  
}
```

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(200, 80, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 80, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.1211, 20.5899, 35.9468 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(200, 80, 161) }
```


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

```
.border{ border-color:rgb(200, 80, 161) }
```

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

Here you see how a box with a 4 pixel rgb(200, 80, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 80, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 80, 161);  
box-shadow:4px 4px 4px 4px rgb(200, 80,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1211, 20.5899, 35.9468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 80, 161) }
```

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

```
.background{ background-color: rgb(200, 80,  
161) }
```

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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