

Converting Colors

XYZ(30.7950, 20.3693, 39.3136)

Have a look what the booklet for
XYZ(30.7950, 20.3693, 39.3136)
contains.

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Color

**XYZ(30.8900, 20.4110,
39.3574)**

Conversions

Conversions Part 1

Format	Color
Hex	BA59A8
RGB	186, 89, 168
RGB Percent	73%, 35%, 66%
CMY	0.2706, 0.6510, 0.3412
CMYK	0.00, 0.52, 0.10, 0.27
HSL	311°, 41%, 54%
HSV	311°, 52%, 73%
XYZ	30.8900, 20.4110, 39.3574
YIQ	127.0090, 32.4530, 45.1330

Conversions

Conversions Part 2

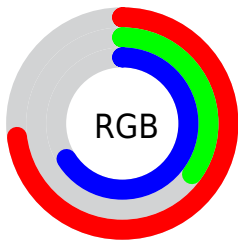
Format	Color
R _Y B	186, 89, 168
Decimal	12212648
CIE _{Lab}	52.30, 49.38, -24.71
CIE _{LCh}	52, 55.214, 333.412
Y _{xy}	20.4110, 0.3407, 0.2251
Android (android.graphics.Color)	4290402728 (0xFFBA59A8)
YUV	127.0090, 20.2086, 51.7351
Hunter-Lab	45.1785, 42.9837, -20.0257

Details

The XYZ color **30.8900, 20.4110, 39.3574** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **24.3335, 38.3040, 20.0223**, and the grayscale version is **20.1016, 21.1484, 23.0307**.

A 20% lighter version of the original color is **60.4500, 44.2057, 75.1585**, and **12.9593, 7.2088, 17.2314** is the 20% darker color. If you saturate the color by 10%, you get **29.2160, 17.5706, 37.2339**, and if you desaturate by 10%, it is **32.9648, 24.0387, 41.6570**.

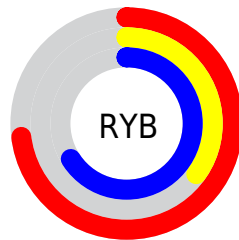
Distribution



Red (73%)

Green (35%)

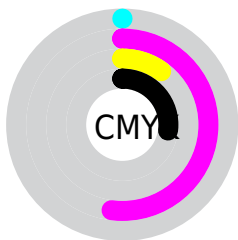
Blue (66%)



Red (73%)

Yellow (35%)

Blue (66%)

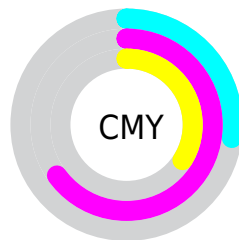


Cyan (0%)

Magenta (52%)

Yellow (10%)

Black (27%)



Cyan (27%)


Magenta (65%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.8900, 20.4110, 39.3574 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 30.8900, 20.4110, 39.3574 by changing the saturation by 10% instead.


 30.8900, 20.4110,
39.3574


 30.8900, 20.4110,
39.3574

297.8672,
254.1315, 358.8788

 20.6665, 12.6942,
26.7279


 60.4439, 44.1052,
75.4103


 12.9915, 7.2183,
17.1384


 80.5050, 60.8513,
99.6709

 7.4997, 3.5990,
10.1702


 104.5760, 81.3760,
128.6455

 3.8256, 1.4519,
5.4049

 133.0222,
106.0636, 162.7527

 1.6039, 0.2545,
2.4239

166.2091,
135.2986, 202.4111

 0.3950, 0.0000,
0.7994

204.5020,

 0.0000, 0.0000,

169.4653, 248.0393

0.0000

248.2663,
208.9481, 300.0557

■ 30.8900, 20.4110,
39.3574

■ 30.8900, 20.4110,
39.3574

■ 29.2160, 17.5706,
37.2339

■ 32.9648, 24.0387,
41.6570

■ 27.9108, 15.4544,
35.2750

■ 35.4655, 28.5048,
44.1408

■ 26.9406, 13.9948,
33.4691

■ 38.4173, 33.8592,
46.8178

■ 26.2641, 13.1094,
31.8024

■ 41.8429, 40.1472,
49.6957

■ 25.8752, 12.6893,
30.5697

■ 45.7634, 47.4110,
52.7820

■ 50.1987, 55.6904,
56.0836

■ 55.1677, 65.0226,
59.6070

■ 60.6880, 75.4432,
63.3585

■ 66.3265, 86.0859,
67.1940

Harmonies

Analogous

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



26.0530, 20.4110, 59.8648



30.8900, 20.4110, 39.3574



32.4636, 20.4110, 20.4149

Triad

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



30.8900, 20.4110, 39.3574



18.7576, 20.4110, 3.3453



11.6405, 20.4110, 44.2657

Complementary

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



30.8900, 20.4110, 39.3574



24.3335, 38.3040, 20.0223

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.



10.4165, 20.4110, 24.1372



30.8900, 20.4110, 39.3574



13.9887, 20.4110, 5.0100

Square

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



30.8900, 20.4110, 39.3574



24.7071, 20.4110, 4.3520



11.1844, 20.4110, 10.9633



14.9132, 20.4110, 63.5397

Rectangle

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



30.8900, 20.4110, 39.3574



31.2399, 20.4110, 11.9731



11.1844, 20.4110, 10.9633



11.0082, 20.4110, 37.1036

Sweetspot

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



30.8907, 20.4120, 39.3578



73.1793, 67.8666, 87.8830



18.4737, 13.8034, 48.1456



15.8333, 14.4278, 19.1161



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.8907, 20.4120, 39.3578



52.4574, 31.0233, 66.7929



27.1959, 18.9341, 19.9017



9.3075, 9.1334, 10.9667



17.4335, 8.5472, 20.7014



0.6334, 0.3088, 0.8287

Inverse Universe

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



30.8907, 20.4120, 39.3578



52.4574, 31.0233, 66.7929



27.6198, 39.6185, 37.3277



9.3075, 9.1334, 10.9667



17.4335, 8.5472, 20.7014



0.6334, 0.3088, 0.8287

Previews

White Background



This preview shows how the XYZ color 30.8900, 20.4110, 39.3574 looks on a white background.

Color Contrast Check

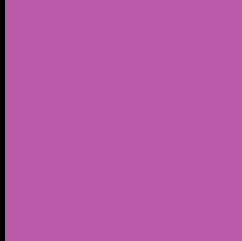
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.8900, 20.4110, 39.3574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

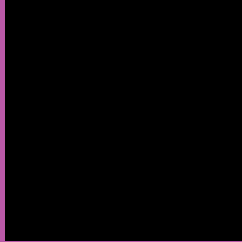
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.8900, 20.4110, 39.3574

Background



This preview shows how black text looks on a background with the XYZ color 30.8900, 20.4110, 39.3574.



This preview shows how white text looks on a background with the XYZ color 30.8900, 20.4110,

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

30.8900, 20.4110, 39.3574

Protanopia

22.0789, 20.7587, 54.4729

Deuteranopia

21.0758, 20.6261, 37.0528



Tritanopia

26.4871, 20.5296, 17.3184

Trichromacy



Original Color

30.8900, 20.4110, 39.3574

Protanomaly

23.8015, 19.6970, 48.4464

Deuteranomaly

23.7130, 19.8889, 37.7111

Tritanomaly

27.7558, 20.3191, 23.9318

Monochromacy



Original Color

30.8900, 20.4110, 39.3574

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

23.0004, 20.0591, 28.2507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8900, 20.4110, 39.3574 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(186, 89, 168)` looks like.

```
.text, #text, p{  
    color:rgb(186, 89, 168)  
}
```

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(186, 89, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 89, 168) }
```

Border

The CSS property to change the border of an element to XYZ 30.8900, 20.4110, 39.3574 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(186, 89, 168) }
```


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

```
.border{ border-color:rgb(186, 89, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 89, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 89, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 89, 168);  
box-shadow:4px 4px 4px 4px rgb(186, 89,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8900, 20.4110, 39.3574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 89, 168) }
```

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

```
.background{ background-color: rgb(186, 89,  
168) }
```

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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