

Converting Colors

XYZ(34.5806, 20.9359, 59.3452)

Have a look what the booklet for
XYZ(34.5806, 20.9359, 59.3452)
contains.

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Color

**XYZ(34.5806, 20.9359,
59.3452)**

Conversions

Conversions Part 1

Format	Color
Hex	BC51CC
RGB	188, 81, 204
RGB Percent	74%, 32%, 80%
CMY	0.2627, 0.6823, 0.2000
CMYK	0.08, 0.60, 0.00, 0.20
HSL	292°, 55%, 56%
HSV	292°, 60%, 80%
XYZ	34.5806, 20.9359, 59.3452
YIQ	127.0150, 24.2890, 60.9370

Conversions

Conversions Part 2

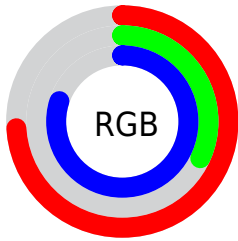
Format	Color
R_{YB}	188, 81, 204
Decimal	12341708
CIE _{Lab}	52.88, 60.05, -44.61
CIE _{LCh}	53, 74.810, 323.391
Yxy	20.9359, 0.3011, 0.1823
Android (android.graphics.Color)	4290531788 (0xFFBC51CC)
YUV	127.0150, 37.9536, 53.4838
Hunter-Lab	45.7558, 54.8314, -44.8701

Details

The XYZ color **34.5806, 20.9359, 59.3452** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted purple. A complement of this color would be **28.0085, 46.3217, 15.2503**, and the grayscale version is **20.0469, 21.0909, 22.9680**.

A 20% lighter version of the original color is **65.2119, 44.6025, 99.7798**, and **15.0012, 7.4278, 29.0768** is the 20% darker color. If you saturate the color by 10%, you get **32.6386, 18.0127, 58.8836**, and if you desaturate by 10%, it is **36.9915, 24.7775, 59.9600**.

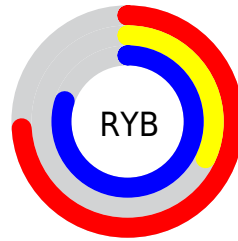
Distribution



Red (74%)

Green (32%)

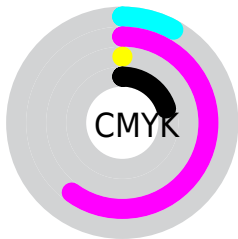
Blue (80%)



Red (74%)

Yellow (32%)

Blue (80%)

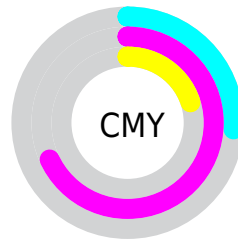


Cyan (8%)

Magenta (60%)

Yellow (0%)

Black (20%)



Cyan (26%)

Magenta (68%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5806, 20.9359, 59.3452 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 34.5806, 20.9359, 59.3452 by changing the saturation by 10% instead.

■ 34.5806, 20.9359,
59.3452

■ 34.5806, 20.9359,
59.3452

314.2538,
256.9376, 439.9174

■ 23.5050, 13.0772,
42.4692

■ 66.1739, 44.9808,
105.4133

■ 15.0896, 7.4817,
29.1406

■ 87.4222, 61.9358,
135.4424

■ 8.9690, 3.7651,
18.9407

■ 112.7922, 82.6916,
170.6931

■ 4.7779, 1.5431,
11.4511

■ 142.6491,
107.6327, 211.5837

■ 2.1510, 0.3188,
6.2531

■ 177.3584,
137.1435, 258.5330

■ 0.7167, 0.0000,
2.9283

217.2854,

■ 0.0000, 0.0000,

171.6083, 311.9593

1.0582

262.7954,
211.4116, 372.2813

■ 0.0000, 0.0000,
0.0000

■ 34.5806, 20.9359,
59.3452

■ 34.5806, 20.9359,
59.3452

■ 32.6386, 18.0127,
58.8836

■ 36.9915, 24.7775,
59.9600

■ 31.1207, 15.9210,
58.5599

■ 39.9059, 29.6089,
60.7389

■ 29.9778, 14.5613,
58.3577

■ 43.3578, 35.4974,
61.6936

■ 29.1367, 13.7615,
58.2476

■ 47.3777, 42.5036,
62.8340

■ 51.9936, 50.6836,
64.1696

■ 57.2316, 60.0896,
65.7091

■ 63.1164, 70.7707,
67.4606

■ 69.6713, 82.7734,
69.4319

■ 73.7770, 89.8594,
70.5832

Harmonies

Analogous

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



26.4881, 20.9359, 89.6002



34.5806, 20.9359, 59.3452



38.8931, 20.9359, 28.1217

Triad

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



34.5806, 20.9359, 59.3452



21.6808, 20.9359, 1.1949



9.0398, 20.9359, 44.5323

Complementary

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



34.5806, 20.9359, 59.3452



28.0085, 46.3217, 15.2503

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.



8.3848, 20.9359, 18.1885



34.5806, 20.9359, 59.3452



14.5046, 20.9359, 1.7111

Square

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



34.5806, 20.9359, 59.3452



30.2847, 20.9359, 2.7537



10.1019, 20.9359, 5.5477



12.2090, 20.9359, 77.8105

Rectangle

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



34.5806, 20.9359, 59.3452



38.4120, 20.9359, 14.2033



10.1019, 20.9359, 5.5477



8.5597, 20.9359, 34.2992

Sweetspot

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



34.5814, 20.9368, 59.3456



79.9525, 73.0152, 104.4871



18.6050, 14.7335, 58.9903



16.6588, 14.8286, 22.2341



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.



34.5814, 20.9368, 59.3456



53.3219, 28.7861, 97.3536



34.0943, 21.2228, 35.0558



11.5384, 11.3269, 14.1485



18.3948, 8.6904, 36.6642



0.9899, 0.4694, 1.8934

Inverse Universe

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



30.0026, 19.5861, 13.5093



45.5972, 26.6489, 13.6343



28.7593, 46.4445, 27.2225



11.2707, 11.2370, 11.9603



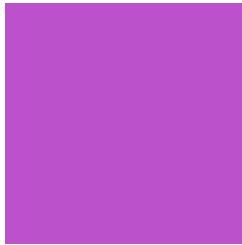
15.8141, 8.1362, 1.4740



0.8358, 0.4277, 0.1814

Previews

White Background



This preview shows how the XYZ color 34.5806, 20.9359, 59.3452 looks on a white background.

Color Contrast Check

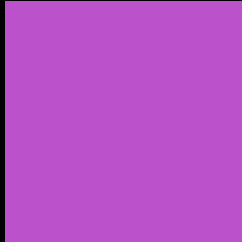
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.5806, 20.9359, 59.3452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

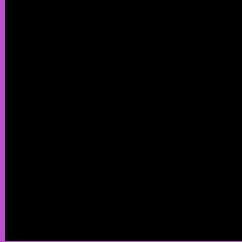
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.5806, 20.9359, 59.3452

Background



This preview shows how black text looks on a background with the XYZ color 34.5806, 20.9359, 59.3452.



This preview shows how white text looks on a background with the XYZ color 34.5806, 20.9359,

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

34.5806, 20.9359, 59.3452

Protanopia

25.0994, 21.5674, 88.4280

Deuteranopia

21.7390, 21.1314, 55.1575



Tritanopia

26.0958, 20.7531, 18.5499

Trichromacy



Original Color

34.5806, 20.9359, 59.3452



Protanomaly

25.3311, 19.3855, 76.5354



Deuteranomaly

24.4889, 19.7110, 56.5467



Tritanomaly

28.3635, 20.3593, 30.0386

Monochromacy



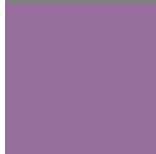
Original Color

34.5806, 20.9359, 59.3452



Achromatopsia

20.1725, 21.2231, 23.1119



Achromatomaly

23.8868, 19.9080, 33.5940

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.5806, 20.9359, 59.3452 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(188, 81, 204)` looks like.

```
.text, #text, p{  
    color:rgb(188, 81, 204)  
}
```

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(188, 81, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 81, 204) }
```

Border

The CSS property to change the border of an element to XYZ 34.5806, 20.9359, 59.3452 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(188, 81, 204) }
```


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

```
.border{ border-color:rgb(188, 81, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 81, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 81, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 81, 204);  
box-shadow:4px 4px 4px 4px rgb(188, 81,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 34.5806, 20.9359, 59.3452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 81, 204) }
```

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

```
.background{ background-color: rgb(188, 81,  
204) }
```

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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