

Converting Colors

XYZ(34.3559, 22.6142, 58.8870)

Have a look what the booklet for
XYZ(34.3559, 22.6142, 58.8870)
contains.

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Color

**XYZ(34.4908, 22.7448,
59.0722)**

Conversions

Conversions Part 1

Format	Color
Hex	B760CB
RGB	183, 96, 203
RGB Percent	72%, 38%, 80%
CMY	0.2823, 0.6235, 0.2039
CMYK	0.10, 0.53, 0.00, 0.20
HSL	289°, 51%, 59%
HSV	289°, 53%, 80%
XYZ	34.4908, 22.7448, 59.0722
YIQ	134.2110, 17.5050, 51.7210

Conversions

Conversions Part 2

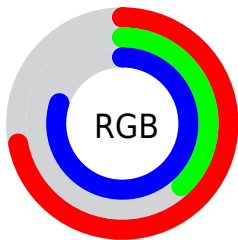
Format	Color
R _Y B	183, 96, 203
Decimal	12017867
CIE Lab	54.81, 51.43, -41.04
CIE LCh	55, 65.792, 321.412
Yxy	22.7448, 0.2965, 0.1956
Android (android.graphics.Color)	4290207947 (0xFFB760CB)
YUV	134.2110, 33.9130, 42.7880
Hunter-Lab	47.6915, 45.6322, -40.0544

Details

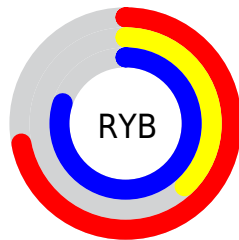
The XYZ color **34.4908, 22.7448, 59.0722** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.6704, 47.2699, 18.5748**, and the grayscale version is **22.6130, 23.7907, 25.9080**.

A 20% lighter version of the original color is **65.2320, 47.7335, 100.3831**, and **14.9616, 8.3779, 28.8455** is the 20% darker color. If you saturate the color by 10%, you get **31.9820, 19.0484, 58.4913**, and if you desaturate by 10%, it is **37.5037, 27.4119, 59.8146**.

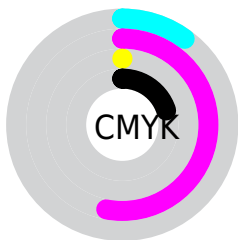
Distribution



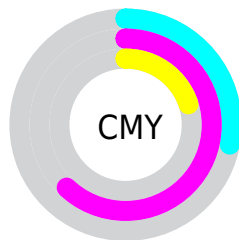
- Red (72%)
- Green (38%)
- Blue (80%)



- Red (72%)
- Yellow (38%)
- Blue (80%)



- Cyan (10%)
- Magenta (53%)
- Yellow (0%)
- Black (20%)





- Cyan (28%)
- Magenta (62%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4908, 22.7448, 59.0722 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 34.4908, 22.7448, 59.0722 by changing the saturation by 10% instead.

 34.4908, 22.7448,
59.0722


 34.4908, 22.7448,
59.0722


313.8625,
266.4115, 438.8788


 23.4356, 14.4052,
42.2508


 66.0354, 47.9739,
105.0127


 15.0379, 8.4030,
28.9707


 87.2555, 65.6323,
134.9690

 8.9325, 4.3539,
18.8133


 112.5946, 87.1656,
170.1407

 4.7539, 1.8734,
11.3600

 142.4181,
112.9584, 210.9463

 2.1369, 0.5323,
6.1923

177.0912,
143.3950, 257.8043

 0.7092, 0.0000,
2.8917

216.9795,

 0.0000, 0.0000,

178.8597, 311.1334

1.0396

262.4481,
219.7371, 371.3520

■ 0.0000, 0.0000,
0.0000

■ 34.4908, 22.7448,
59.0722

■ 34.4908, 22.7448,
59.0722

■ 31.9820, 19.0484,
58.4913

■ 37.5037, 27.4119,
59.8146

■ 29.9371, 16.2446,
58.0579

■ 41.0520, 33.1141,
60.7282

■ 28.3134, 14.2476,
57.7580

■ 45.1673, 39.9136,
61.8237

■ 27.0588, 12.9535,
57.5744

■ 49.8779, 47.8669,
63.1106

■ 26.3086, 12.3173,
57.4911

■ 55.2103, 57.0265,
64.5975

■ 61.1893, 67.4417,
66.2928

■ 67.8382, 79.1590,
68.2040

■ 74.0835, 90.0313,
69.9734

■ 75.1995, 90.6066,
70.0256

Harmonies

Analogous

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



27.1344, 22.7448, 83.8694



34.4908, 22.7448, 59.0722



38.5977, 22.7448, 31.2379

Triad

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



34.4908, 22.7448, 59.0722



23.7737, 22.7448, 2.5244



11.0401, 22.7448, 42.4469

Complementary

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



34.4908, 22.7448, 59.0722



30.6704, 47.2699, 18.5748

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.



10.5317, 22.7448, 19.2548



34.4908, 22.7448, 59.0722



16.9055, 22.7448, 3.0639

Square

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



34.4908, 22.7448, 59.0722



31.5629, 22.7448, 4.8010



12.4283, 22.7448, 7.2461



14.0184, 22.7448, 71.0962

Rectangle

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



34.4908, 22.7448, 59.0722



38.4218, 22.7448, 17.6576



12.4283, 22.7448, 7.2461



10.6060, 22.7448, 33.5625

Sweetspot

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



34.4916, 22.7458, 59.0727



80.6371, 75.2567, 104.8837



22.0122, 19.6156, 59.1262



16.9055, 15.5096, 22.3526



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.



34.4916, 22.7458, 59.0727



53.1268, 31.2910, 97.8474



36.1533, 23.9996, 41.2058



11.4740, 11.2937, 14.1455



16.8147, 7.8758, 36.5902



0.9220, 0.4344, 1.8902

Inverse Universe

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



31.9645, 22.3240, 19.1480



48.9359, 30.7926, 22.5584



30.0834, 46.7603, 27.8977



11.2966, 11.2474, 12.0963



15.9206, 8.1788, 2.0345



0.8477, 0.4325, 0.2441

Previews

White Background



This preview shows how the XYZ color 34.4908, 22.7448, 59.0722 looks on a white background.

Color Contrast Check

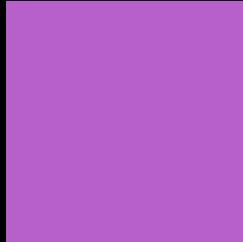
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4908, 22.7448, 59.0722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

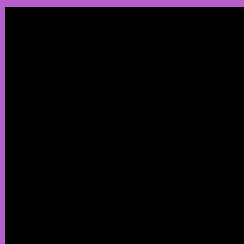
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.4908, 22.7448, 59.0722

Background



This preview shows how black text looks on a background with the XYZ color 34.4908, 22.7448, 59.0722.



This preview shows how white text looks on a background with the XYZ color 34.4908, 22.7448,

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

34.4908, 22.7448, 59.0722

Protanopia

25.8519, 23.1035, 79.4408

Deuteranopia

23.6738, 23.0886, 56.0321



Tritanopia

26.9603, 22.7421, 22.3707

Trichromacy



Original Color

34.4908, 22.7448, 59.0722



Protanomaly

26.9043, 21.6332, 71.1642



Deuteranomaly

26.1473, 21.9057, 56.8829



Tritanomaly

29.1229, 22.4673, 32.9387

Monochromacy



Original Color

34.4908, 22.7448, 59.0722



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

25.9234, 22.6115, 35.7990

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4908, 22.7448, 59.0722 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(183, 96, 203)` looks like.

```
.text, #text, p{  
    color:rgb(183, 96, 203)  
}
```

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(183, 96, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 96, 203) }
```

Border

The CSS property to change the border of an element to XYZ 34.4908, 22.7448, 59.0722 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(183, 96, 203) }
```


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

```
.border{ border-color:rgb(183, 96, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 96, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 96, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 96, 203);  
box-shadow:4px 4px 4px 4px rgb(183, 96,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4908, 22.7448, 59.0722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 96, 203) }
```

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

```
.background{ background-color: rgb(183, 96,  
203) }
```

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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