

Converting Colors

XYZ(35.2474, 21.9840, 61.9516)

Have a look what the booklet for
XYZ(35.2474, 21.9840, 61.9516)
contains.

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Color

**XYZ(35.3684, 22.0983,
62.0758)**

Conversions

Conversions Part 1

Format	Color
Hex	BB58D0
RGB	187, 88, 208
RGB Percent	73%, 35%, 82%
CMY	0.2667, 0.6549, 0.1843
CMYK	0.10, 0.58, 0.00, 0.18
HSL	290°, 56%, 58%
HSV	290°, 58%, 82%
XYZ	35.3684, 22.0983, 62.0758
YIQ	131.2810, 20.4840, 58.3080

Conversions

Conversions Part 2

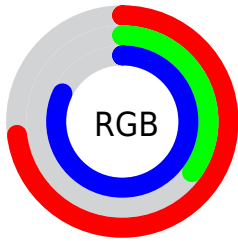
Format	Color
RYB	187, 88, 208
Decimal	12277968
CIELab	54.13, 57.35, -44.92
CIELCh	54, 72.846, 321.926
Yxy	22.0983, 0.2959, 0.1849
Android (android.graphics.Color)	4290468048 (0xFFBB58D0)
YUV	131.2810, 37.8225, 48.8656
Hunter-Lab	47.0088, 52.0340, -45.3871

Details

The XYZ color **35.3684, 22.0983, 62.0758** 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 **30.6247, 49.0681, 17.0904**, and the grayscale version is **21.5385, 22.6602, 24.6769**.

A 20% lighter version of the original color is **65.3792, 45.9785, 100.0366**, and **15.5998, 8.1052, 30.8792** is the 20% darker color. If you saturate the color by 10%, you get **33.0192, 18.7044, 61.5449**, and if you desaturate by 10%, it is **38.2289, 26.4796, 62.7711**.

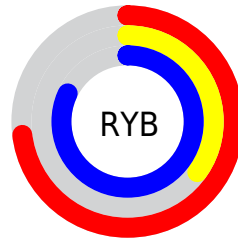
Distribution



Red (73%)

Green (35%)

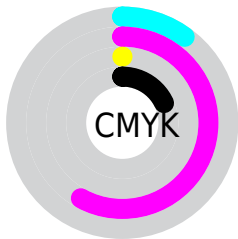
Blue (82%)



Red (73%)

Yellow (35%)

Blue (82%)

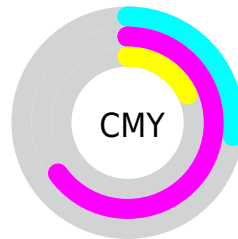


Cyan (10%)

Magenta (58%)

Yellow (0%)

Black (18%)



Cyan (27%)


Magenta (65%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.3684, 22.0983, 62.0758 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 35.3684, 22.0983, 62.0758 by changing the saturation by 10% instead.

 35.3684, 22.0983,
62.0758


 35.3684, 22.0983,
62.0758


317.6711,
263.0592, 450.2228


 24.1146, 13.9291,
44.6578

 67.3864, 46.9084,
109.4077


 15.5439, 8.0714,
30.8470


 88.8813, 64.3182,
140.1587

 9.2908, 4.1407,
20.2249


 114.5206, 85.5769,
176.1911

 4.9899, 1.7526,
12.3729

 144.6697,
111.0690, 217.9234

 2.2761, 0.4573,
6.8726

179.6939,
141.1789, 265.7742

 0.7824, 0.0000,
3.3053

219.9587,

 0.0000, 0.0000,

176.2910, 320.1620

1.2526

265.8293,
216.7896, 381.5054

■ 0.0000, 0.0000,
0.0224

■ 0.0000, 0.0000,
0.0000

■ 35.3684, 22.0983,
62.0758

■ 35.3684, 22.0983,
62.0758

■ 33.0192, 18.7044,
61.5449

■ 38.2289, 26.4796,
62.7711

■ 31.1358, 16.2098,
61.1626

■ 41.6358, 31.9209,
63.6418

■ 29.6690, 14.5151,
60.9128

■ 45.6242, 38.4912,
64.6997

■ 28.5478, 13.4791,
60.7720

■ 50.2254, 46.2527,
65.9554

■ 28.3111, 13.2797,
60.7459

■ 55.4683, 55.2631,
67.4182

■ 61.3799, 65.5765,
69.0973

■ 67.9859, 77.2435,
71.0011

■ 75.3103, 90.3122,
73.1376

■ 76.5881, 91.2525,
73.2517

Harmonies

Analogous

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



27.1995, 22.0983, 91.1491



35.3684, 22.0983, 62.0758



39.9101, 22.0983, 30.7002

Triad

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



35.3684, 22.0983, 62.0758



23.2094, 22.0983, 1.5809



9.8319, 22.0983, 44.2273

Complementary

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



35.3684, 22.0983, 62.0758



30.6247, 49.0681, 17.0904

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.



9.2715, 22.0983, 18.4559



35.3684, 22.0983, 62.0758



15.8286, 22.0983, 2.0654

Square

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



35.3684, 22.0983, 62.0758



31.8281, 22.0983, 3.4964



11.1745, 22.0983, 5.9731



12.9625, 22.0983, 77.0981

Rectangle

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



35.3684, 22.0983, 62.0758



39.6388, 22.0983, 16.1468



11.1745, 22.0983, 5.9731



9.3746, 22.0983, 34.2135

Sweetspot

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



35.3692, 22.0992, 62.0763



80.0100, 73.9817, 104.6706



20.9864, 17.7816, 62.0010



16.7886, 15.2618, 22.3109



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.



35.3692, 22.0992, 62.0763



51.6551, 28.7000, 97.4249



36.7585, 23.2925, 40.5896



12.0994, 11.9001, 14.9029



17.7180, 8.3143, 37.8635



1.0453, 0.4930, 2.1196

Inverse Universe

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



32.2631, 21.4943, 16.9172



46.8454, 27.9815, 17.6383



30.3470, 48.6934, 27.5390



11.8920, 11.8415, 12.7070



16.4398, 8.4488, 1.9562



0.9456, 0.4830, 0.2484

Previews

White Background



This preview shows how the XYZ color 35.3684, 22.0983, 62.0758 looks on a white background.

Color Contrast Check

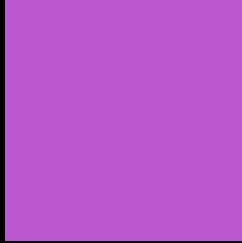
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.3684, 22.0983, 62.0758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

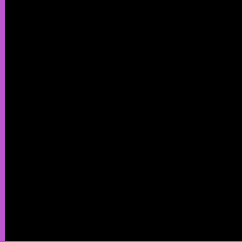
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.3684, 22.0983, 62.0758

Background



This preview shows how black text looks on a background with the XYZ color 35.3684, 22.0983, 62.0758.



This preview shows how white text looks on a background with the XYZ color 35.3684, 22.0983,

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

35.3684, 22.0983, 62.0758

Protanopia

26.1047, 22.6467, 88.5833

Deuteranopia

23.0241, 22.5151, 57.7759



Tritanopia

26.8635, 22.0584, 20.6111

Trichromacy



Original Color

35.3684, 22.0983, 62.0758



Protanomaly

26.7735, 20.7374, 78.1929



Deuteranomaly

25.8123, 21.1625, 59.2242



Tritanomaly

29.1081, 21.5512, 32.3314

Monochromacy



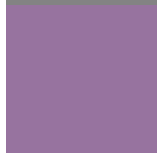
Original Color

35.3684, 22.0983, 62.0758



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

25.1512, 21.3440, 35.5951

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3684, 22.0983, 62.0758 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(187, 88, 208)` looks like.

```
.text, #text, p{  
    color:rgb(187, 88, 208)  
}
```

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(187, 88, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 88, 208) }
```

Border

The CSS property to change the border of an element to XYZ 35.3684, 22.0983, 62.0758 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(187, 88, 208) }
```


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

```
.border{ border-color:rgb(187, 88, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 88, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 88, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 88, 208);  
box-shadow:4px 4px 4px 4px rgb(187, 88,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3684, 22.0983, 62.0758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 88, 208) }
```

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

```
.background{ background-color: rgb(187, 88,  
208) }
```

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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