

Converting Colors

XYZ(34.7859, 22.7113, 64.5758)

Have a look what the booklet for
XYZ(34.7859, 22.7113, 64.5758)
contains.

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Color

**XYZ(34.8889, 22.8225,
64.8537)**

Conversions

Conversions Part 1

Format	Color
Hex	B460D4
RGB	180, 96, 212
RGB Percent	71%, 38%, 83%
CMY	0.2941, 0.6235, 0.1686
CMYK	0.15, 0.55, 0.00, 0.17
HSL	283°, 57%, 60%
HSV	283°, 55%, 83%
XYZ	34.8889, 22.8225, 64.8537
YIQ	134.3400, 12.8280, 53.8840

Conversions

Conversions Part 2

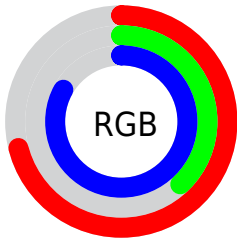
Format	Color
RYB	180, 96, 212
Decimal	11821268
CIELab	54.89, 52.45, -46.05
CIELCh	55, 69.796, 318.714
Yxy	22.8225, 0.2847, 0.1862
Android (android.graphics.Color)	4290011348 (0xFFB460D4)
YUV	134.3400, 38.2864, 40.0438
Hunter-Lab	47.7729, 46.7573, -47.0476

Details

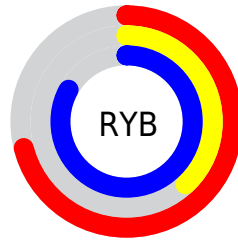
The XYZ color **34.8889, 22.8225, 64.8537** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **34.5576, 52.5212, 19.3835**, and the grayscale version is **22.6460, 23.8254, 25.9459**.

A 20% lighter version of the original color is **64.2162, 47.2098, 100.3356**, and **15.2619, 8.4472, 32.7244** is the 20% darker color. If you saturate the color by 10%, you get **31.8763, 18.7754, 64.2317**, and if you desaturate by 10%, it is **38.4821, 27.9440, 65.6532**.

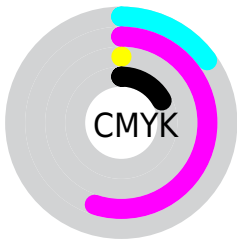
Distribution



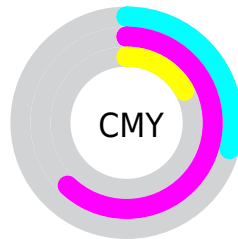
- Red (71%)
- Green (38%)
- Blue (83%)



- Red (71%)
- Yellow (38%)
- Blue (83%)



- Cyan (15%)
- Magenta (55%)
- Yellow (0%)
- Black (17%)





- Cyan (29%)
- Magenta (62%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.8889, 22.8225, 64.8537 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 34.8889, 22.8225, 64.8537 by changing the saturation by 10% instead.


 34.8889, 22.8225,
64.8537


 34.8889, 22.8225,
64.8537

315.5943,
266.8120, 460.5579


 23.7434, 14.4625,
46.8919

 66.6488, 48.1017,
113.4508


 15.2671, 8.4430,
32.5964


 87.9939, 65.7897,
144.9231

 9.0946, 4.3797,
21.5489


 113.4696, 87.3558,
181.7359

 4.8605, 1.8882,
13.3307

 143.4412,
113.1844, 224.3079

 2.1996, 0.5412,
7.5232

178.2741,
143.6600, 273.0576

 0.7425, 0.0000,
3.7081

218.3337,

 0.0000, 0.0000,

179.1668, 328.4034

1.4666

263.9853,
220.0894, 390.7640

■ 0.0000, 0.0000,
0.1929

■ 0.0000, 0.0000,
0.0000

■ 34.8889, 22.8225,
64.8537

■ 34.8889, 22.8225,
64.8537

■ 31.8763, 18.7754,
64.2317

■ 38.4821, 27.9440,
65.6532

■ 29.3981, 15.7135,
63.7713

■ 42.6922, 34.2137,
66.6415

■ 27.4045, 13.5377,
63.4564

■ 47.5553, 41.7022,
67.8306

■ 25.8342, 12.1264,
63.2667

■ 53.1040, 50.4736,
69.2312

■ 25.1187, 11.5764,
63.1983

■ 59.3685, 60.5872,
70.8532

■ 66.3771, 72.0988,
72.7058

■ 74.1565, 85.0610,
74.7977

■ 79.2553, 92.5699,
75.9783

■ 81.1292, 93.5359,
76.0660

Harmonies

Analogous

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



26.8194, 22.8225, 90.9122



34.8889, 22.8225, 64.8537



39.7789, 22.8225, 34.1477

Triad

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



34.8889, 22.8225, 64.8537



24.7334, 22.8225, 2.1166



10.4393, 22.8225, 41.1640

Complementary

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



34.8889, 22.8225, 64.8537



34.5576, 52.5212, 19.3835

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.



10.1362, 22.8225, 17.4144



34.8889, 22.8225, 64.8537



17.2638, 22.8225, 2.4051

Square

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



34.8889, 22.8225, 64.8537



33.0529, 22.8225, 4.6237



12.3298, 22.8225, 6.0146



13.2879, 22.8225, 72.5300

Rectangle

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



34.8889, 22.8225, 64.8537



39.9528, 22.8225, 18.9422



12.3298, 22.8225, 6.0146



10.0666, 22.8225, 31.8734

Sweetspot

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



34.8898, 22.8234, 64.8542



79.3670, 74.6019, 104.8243



24.5411, 22.9066, 65.4157



16.6007, 15.3524, 22.3383



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.



34.8898, 22.8234, 64.8542



47.6078, 27.4810, 97.4029



40.2903, 25.9458, 49.8241



12.6035, 12.4525, 15.6768



15.6081, 7.1988, 39.0200



1.0194, 0.4744, 2.3572

Inverse Universe

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



35.2312, 23.9221, 23.1835



48.8664, 29.7249, 25.3982



31.8275, 50.9581, 26.2915



12.5626, 12.4765, 13.6370



17.2777, 8.8474, 3.5002



1.0771, 0.5476, 0.3954

Previews

White Background



This preview shows how the XYZ color 34.8889, 22.8225, 64.8537 looks on a white background.

Color Contrast Check

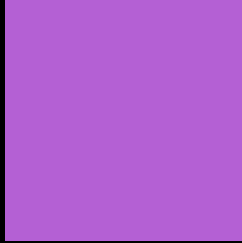
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8889, 22.8225, 64.8537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

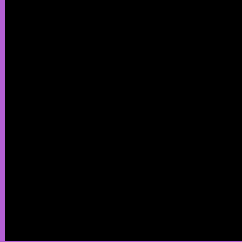
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8889, 22.8225, 64.8537

Background



This preview shows how black text looks on a background with the XYZ color 34.8889, 22.8225, 64.8537.



This preview shows how white text looks on a background with the XYZ color 34.8889, 22.8225,

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

34.8889, 22.8225, 64.8537

Protanopia

26.5702, 23.3050, 87.1023

Deuteranopia

23.7849, 23.2375, 60.9893



Tritanopia

26.2455, 22.7047, 23.0778

Trichromacy



Original Color

34.8889, 22.8225, 64.8537



Protanomaly

27.4792, 21.7710, 78.3552



Deuteranomaly

26.4394, 22.1077, 62.5482



Tritanomaly

28.7607, 22.3911, 35.1538

Monochromacy



Original Color

34.8889, 22.8225, 64.8537



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

26.0006, 22.6209, 37.1783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8889, 22.8225, 64.8537 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(180, 96, 212)` looks like.

```
.text, #text, p{  
    color:rgb(180, 96, 212)  
}
```

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(180, 96, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 96, 212) }
```

Border

The CSS property to change the border of an element to XYZ 34.8889, 22.8225, 64.8537 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(180, 96, 212) }
```


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

```
.border{ border-color:rgb(180, 96, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 96, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 96, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 96, 212);  
box-shadow:4px 4px 4px 4px rgb(180, 96,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8889, 22.8225, 64.8537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 96, 212) }
```

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

```
.background{ background-color: rgb(180, 96,  
212) }
```

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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