

# Converting Colors

XYZ(34.4001, 21.6828, 58.2492)

Have a look what the booklet for  
XYZ(34.4001, 21.6828, 58.2492)  
contains.

|  |    |
|--|----|
| <b>XYZ(34.4001, 21.6828, 58.2492)</b> .....    | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 12 |
| <b><i>Previews</i></b> .....                   | 24 |
| <b><i>Color Blindness Simulation</i></b> ..... | 28 |
| <b><i>CSS Examples</i></b> .....               | 31 |

# Color

**XYZ(34.4001, 21.6828,  
58.2492)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | BA58CA                     |
| RGB         | 186, 88, 202               |
| RGB Percent | 73%, 35%, 79%              |
| CMY         | 0.2706, 0.6549, 0.2078     |
| CMYK        | 0.08, 0.56, 0.00, 0.21     |
| HSL         | 292°, 52%, 57%             |
| HSV         | 292°, 56%, 79%             |
| XYZ         | 34.4001, 21.6828, 58.2492  |
| YIQ         | 130.2980, 21.8140, 56.2300 |

# Conversions

## Conversions Part 2

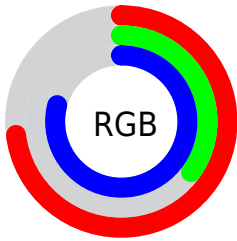
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 186, 88, 202                  |
| Decimal                             | 12212426                      |
| CIE Lab                             | 53.69, 55.94, -42.20          |
| CIE LCh                             | 54, 70.075, 322.967           |
| Yxy                                 | 21.6828, 0.3009,<br>0.1896    |
| Android<br>(android.graphics.Color) | 4290402506<br>(0xFFBA58CA)    |
| YUV                                 | 130.2980, 35.3491,<br>48.8507 |
| Hunter-Lab                          | 46.5648, 50.3799,<br>-41.5722 |

# Details

The XYZ color **34.4001, 21.6828, 58.2492** 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 **28.5915, 45.8892, 16.5840**, and the grayscale version is **21.1977, 22.3016, 24.2864**.

A 20% lighter version of the original color is **65.0312, 45.7991, 100.0203**, and **14.9624, 7.8324, 28.3270** is the 20% darker color. If you saturate the color by 10%, you get **32.2842, 18.4626, 57.7395**, and if you desaturate by 10%, it is **36.9906, 25.8305, 58.9136**.

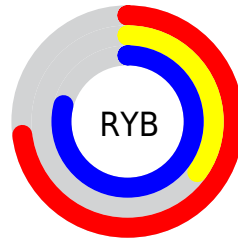
# Distribution



Red (73%)

Green (35%)

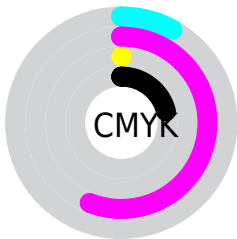
Blue (79%)



Red (73%)

Yellow (35%)

Blue (79%)

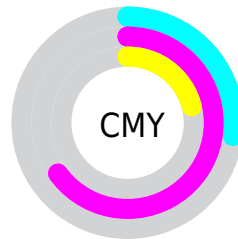


Cyan (8%)

Magenta (56%)

Yellow (0%)

Black (21%)



Cyan (27%)

Magenta (65%)


Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4001, 21.6828, 58.2492 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 34.4001, 21.6828, 58.2492 by changing the saturation by 10% instead.



 34.4001, 21.6828,  
58.2492


 34.4001, 21.6828,  
58.2492


313.4670,  
260.8853, 435.7380

 23.3655, 13.6240,  
41.5930


 65.8955, 46.2212,  
103.8040


 14.9858, 7.8596,  
28.4595


 87.0871, 63.4695,  
133.5397

 8.8957, 4.0053,  
18.4303


 112.3950, 84.5499,  
168.4723

 4.7298, 1.6765,  
11.0867

 142.1845,  
109.8466, 209.0204

 2.1227, 0.4084,  
6.0103

176.8212,  
139.7442, 255.6025

 0.7015, 0.0000,  
2.7825

216.6702,

 0.0000, 0.0000,

174.6268, 308.6371

0.9847

262.0971,  
214.8791, 368.5427

■ 0.0000, 0.0000,  
0.0000

■ 34.4001, 21.6828,  
58.2492

■ 34.4001, 21.6828,  
58.2492

■ 32.2842, 18.4626,  
57.7395

■ 36.9906, 25.8305,  
58.9136

■ 30.6013, 16.0891,  
57.3701

■ 40.0879, 30.9720,  
59.7427

■ 29.3068, 14.4724,  
57.1262

■ 43.7241, 37.1707,  
60.7476

■ 28.3423, 13.4956,  
56.9885

■ 47.9278, 44.4840,  
61.9376

■ 28.0386, 13.2229,  
56.9519

■ 52.7259, 52.9650,  
63.3217

■ 58.1431, 62.6637,  
64.9082

■ 64.2031, 73.6269,  
66.7050

■ 70.9280, 85.8989,  
68.7192

■ 73.4329, 89.7096,  
69.3228

# Harmonies

## Analogous

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



26.7646, 21.6828, 85.7204



34.4001, 21.6828, 58.2492



38.4937, 21.6828, 29.0365

# Triad

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



34.4001, 21.6828, 58.2492



22.4258, 21.6828, 1.7638



9.9771, 21.6828, 43.6731

# Complementary

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



34.4001, 21.6828, 58.2492



28.5915, 45.8892, 16.5840

# 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.



9.3526, 21.6828, 18.9036



34.4001, 21.6828, 58.2492



15.4777, 21.6828, 2.3435

# Square

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



34.4001, 21.6828, 58.2492



30.5734, 21.6828, 3.6036



11.1061, 21.6828, 6.4460



13.0854, 21.6828, 74.3187



# Rectangle

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



34.4001, 21.6828, 58.2492



38.1018, 21.6828, 15.5002



11.1061, 21.6828, 6.4460



9.5066, 21.6828, 34.1435

# Sweetspot

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



34.4009, 21.6837, 58.2497



80.5431, 74.2565, 104.6956



19.7478, 16.4635, 58.0144



16.9156, 15.3273, 22.3169



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.



34.4009, 21.6837, 58.2497



53.8840, 30.1275, 97.5829



34.3780, 22.1490, 36.6931



11.5268, 11.3209, 14.1480



18.0993, 8.5380, 36.6503



0.9773, 0.4629, 1.8928



# Inverse Universe

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



30.3461, 20.5363, 15.4619



46.8254, 28.2737, 16.6075



29.0354, 45.8721, 27.7124



11.2754, 11.2389, 11.9848



15.8308, 8.1429, 1.5618



0.8380, 0.4286, 0.1927



# Previews

## White Background



This preview shows how the XYZ color 34.4001, 21.6828, 58.2492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

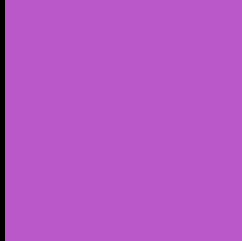
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.4001, 21.6828, 58.2492 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

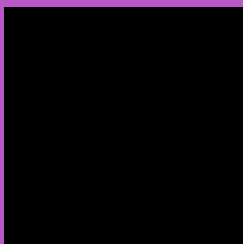
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 34.4001, 21.6828, 58.2492**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.4001, 21.6828, 58.2492.



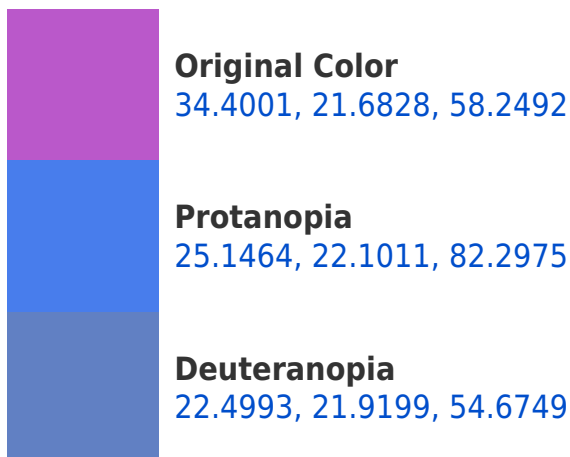
This preview shows how white text looks on a background with the XYZ color 34.4001, 21.6828,



# 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





## Tritanopia

26.5251, 21.5738, 19.9057

# Trichromacy



## Original Color

34.4001, 21.6828, 58.2492



## Protanomaly

26.0588, 20.4809, 73.1008



## Deuteranomaly

25.1514, 20.5546, 56.0679



## Tritanomaly

28.7666, 21.2564, 31.0205

# Monochromacy



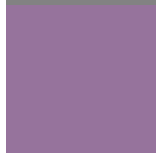
## Original Color

34.4001, 21.6828, 58.2492



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

24.7092, 21.1458, 34.2317

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.4001, 21.6828, 58.2492 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, 88, 202)` looks like.

```
.text, #text, p{  
    color:rgb(186, 88, 202)  
}
```

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, 88, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 88, 202) }
```

## Border

The CSS property to change the border of an element to XYZ 34.4001, 21.6828, 58.2492 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, 88, 202) }
```



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

```
.border{ border-color:rgb(186, 88, 202) }
```

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

Here you see how a box with a 4 pixel rgb(186, 88, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 88, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 88, 202);  
box-shadow:4px 4px 4px 4px rgb(186, 88,  
202) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.4001, 21.6828, 58.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 88, 202) }
```

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

```
.background{ background-color: rgb(186, 88,  
202) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor