

Converting Colors

XYZ(34.4529, 20.2679, 64.6450)

Have a look what the booklet for
XYZ(34.4529, 20.2679, 64.6450)
contains.

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Color

**XYZ(34.4757, 20.2366,
64.3763)**

Conversions

Conversions Part 1

Format	Color
Hex	B94CD4
RGB	185, 76, 212
RGB Percent	73%, 30%, 83%
CMY	0.2745, 0.7019, 0.1686
CMYK	0.13, 0.64, 0.00, 0.17
HSL	288°, 61%, 56%
HSV	288°, 64%, 83%
XYZ	34.4757, 20.2366, 64.3763
YIQ	124.0950, 21.3080, 65.4040

Conversions

Conversions Part 2

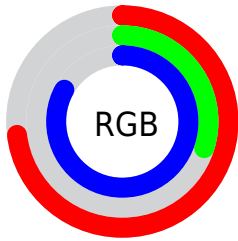
Format	Color
RYB	185, 76, 212
Decimal	12143828
CIELab	52.10, 63.03, -50.44
CIELCh	52, 80.732, 321.332
Yxy	20.2366, 0.2895, 0.1699
Android (android.graphics.Color)	4290333908 (0xFFB94CD4)
YUV	124.0950, 43.3372, 53.4137
Hunter-Lab	44.9851, 58.0749, -53.3579

Details

The XYZ color **34.4757, 20.2366, 64.3763** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **30.4420, 50.4927, 14.9798**, and the grayscale version is **19.0458, 20.0377, 21.8211**.

A 20% lighter version of the original color is **63.6095, 42.9556, 99.5464**, and **15.0422, 7.1321, 32.4821** is the 20% darker color. If you saturate the color by 10%, you get **32.2483, 17.2661, 63.9206**, and if you desaturate by 10%, it is **37.2159, 24.1864, 64.9946**.

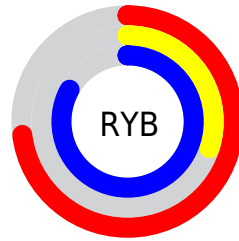
Distribution



Red (73%)

Green (30%)

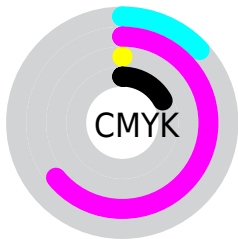
Blue (83%)



Red (73%)

Yellow (30%)

Blue (83%)

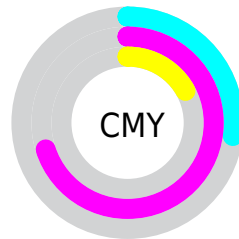


Cyan (13%)

Magenta (64%)

Yellow (0%)

Black (17%)



Cyan (27%)

Magenta (70%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4757, 20.2366, 64.3763 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 34.4757, 20.2366, 64.3763 by changing the saturation by 10% instead.

34.4757, 20.2366,
64.3763

34.4757, 20.2366,
64.3763

313.7967,
253.1931, 458.7920

23.4239, 12.5671,
46.5074

66.0121, 43.8135,
112.7574

15.0292, 7.1312,
32.2948

87.2275, 60.4897,
144.1066

8.9264, 3.5443,
21.3201

112.5614, 80.9370,
180.7864

4.7499, 1.4221,
13.1647

142.3792,
105.5398, 223.2152

2.1345, 0.2329,
7.4100

177.0463,
134.6824, 271.8116

0.7079, 0.0000,
3.6375

216.9280,

0.0000, 0.0000,

168.7492, 326.9942

1.4287

262.3897,
208.1246, 389.1815

■ 0.0000, 0.0000,
0.1639

■ 0.0000, 0.0000,
0.0000

■ 34.4757, 20.2366,
64.3763

■ 34.4757, 20.2366,
64.3763

■ 32.2483, 17.2661,
63.9206

■ 37.2159, 24.1864,
64.9946

■ 30.4815, 15.1734,
63.6098

■ 40.5092, 29.1984,
65.7884

■ 29.1161, 13.8396,
63.4244

■ 44.3948, 35.3494,
66.7709

■ 28.4426, 13.2899,
63.3538

■ 48.9073, 42.7086,
67.9535

■ 54.0787, 51.3394,
69.3469

■ 59.9387, 61.3008,
70.9608

■ 66.5150, 72.6482,
72.8044

■ 73.8339, 85.4336,
74.8865

■ 78.0382, 91.9424,
75.9212

Harmonies

Analogous

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



25.6038, 20.2366, 97.2700



34.4757, 20.2366, 64.3763



39.5741, 20.2366, 29.6180

Triad

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



34.4757, 20.2366, 64.3763



21.7264, 20.2366, 0.7008



7.9156, 20.2366, 43.0467

Complementary

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



34.4757, 20.2366, 64.3763



30.4420, 50.4927, 14.9798

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.



7.4249, 20.2366, 15.8699



34.4757, 20.2366, 64.3763



14.0198, 20.2366, 1.0243

Square

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



34.4757, 20.2366, 64.3763



30.9509, 20.2366, 2.1895



9.3140, 20.2366, 4.0895



10.9252, 20.2366, 79.9773

Rectangle

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



34.4757, 20.2366, 64.3763



39.3672, 20.2366, 14.2561



9.3140, 20.2366, 4.0895



7.4930, 20.2366, 32.2253

Sweetspot

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



34.4765, 20.2374, 64.3767



78.0434, 71.1091, 104.2198



19.7350, 16.0311, 64.3418



16.2281, 14.4277, 22.1795



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.



34.4765, 20.2374, 64.3767



47.9209, 24.9141, 96.8909



37.1061, 22.1145, 40.9416



12.7003, 12.5024, 15.6813



17.6419, 8.2472, 39.1152



1.1270, 0.5299, 2.3622

Inverse Universe

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



32.1845, 20.1458, 15.0248



44.9732, 25.2269, 13.9628



29.7237, 49.9036, 24.8347



12.5230, 12.4607, 13.4286



17.0495, 8.7561, 2.2986



1.0581, 0.5400, 0.2956

Previews

White Background



This preview shows how the XYZ color 34.4757, 20.2366, 64.3763 looks on a white background.

Color Contrast Check

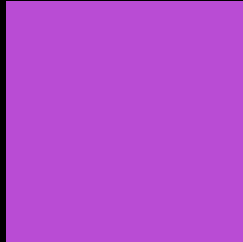
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.4757, 20.2366, 64.3763 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 34.4757, 20.2366, 64.3763

Background



This preview shows how black text looks on a background with the XYZ color 34.4757, 20.2366, 64.3763.



This preview shows how white text looks on a background with the XYZ color 34.4757, 20.2366,

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

34.4757, 20.2366, 64.3763

Protanopia

24.9476, 20.7463, 97.2973

Deuteranopia

21.0936, 20.5155, 59.3481



Tritanopia

24.9859, 20.1809, 18.4980

Trichromacy



Original Color

34.4757, 20.2366, 64.3763



Protanomaly

23.5108, 17.6691, 83.8327



Deuteranomaly

23.6007, 18.6846, 60.7551



Tritanomaly

27.5017, 19.6165, 31.1910

Monochromacy



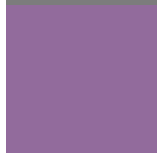
Original Color

34.4757, 20.2366, 64.3763



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

23.1125, 19.0267, 33.9068

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4757, 20.2366, 64.3763 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(185, 76, 212)` looks like.

```
.text, #text, p{  
    color:rgb(185, 76, 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(185, 76, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 76, 212) }
```

Border

The CSS property to change the border of an element to XYZ 34.4757, 20.2366, 64.3763 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(185, 76, 212) }
```


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

```
.border{ border-color:rgb(185, 76, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 76, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 76, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 76, 212);  
box-shadow:4px 4px 4px 4px rgb(185, 76,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4757, 20.2366, 64.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 76, 212) }
```

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

```
.background{ background-color: rgb(185, 76,  
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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