

# Converting Colors

XYZ(33.5078, 20.8038, 44.7435)

Have a look what the booklet for  
XYZ(33.5078, 20.8038, 44.7435)  
contains.

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# Color

**XYZ(33.6597, 20.8914,  
44.9062)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C352B3
RGB	195, 82, 179
RGB Percent	76%, 32%, 70%
CMY	0.2353, 0.6784, 0.2980
CMYK	0.00, 0.58, 0.08, 0.24
HSL	308°, 48%, 54%
HSV	308°, 58%, 76%
XYZ	33.6597, 20.8914, 44.9062
YIQ	126.8450, 36.2110, 54.1230

# Conversions

## Conversions Part 2

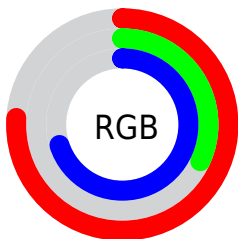
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	195, 82, 179
Decimal	12800691
CIE <sub>Lab</sub>	52.83, 57.07, -30.20
CIE <sub>LCh</sub>	53, 64.563, 332.112
Yxy	20.8914, 0.3384, 0.2101
Android (android.graphics.Color)	4290990771 (0xFFC352B3)
YUV	126.8450, 25.7124, 59.7719
Hunter-Lab	45.7071, 51.4638, -26.2561

# Details

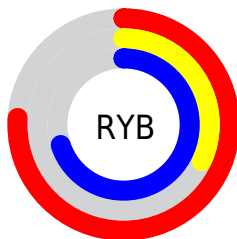
The XYZ color **33.6597, 20.8914, 44.9062** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **25.2004, 41.7068, 18.2788**, and the grayscale version is **20.0265, 21.0694, 22.9446**.

A 20% lighter version of the original color is **64.8141, 44.9603, 83.8594**, and **14.5153, 7.4460, 20.4108** is the 20% darker color. If you saturate the color by 10%, you get **32.1164, 18.2468, 43.0278**, and if you desaturate by 10%, it is **35.6278, 24.3757, 46.9542**.

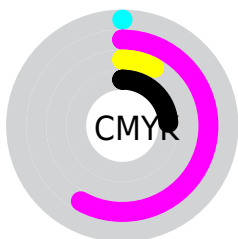
# Distribution



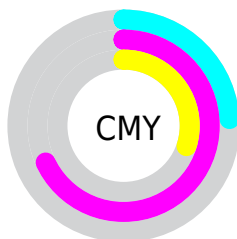
- Red (76%)
- Green (32%)
- Blue (70%)



- Red (76%)
- Yellow (32%)
- Blue (70%)



- Cyan (0%)
- Magenta (58%)
- Yellow (8%)
- Black (24%)



- Cyan (24%)
- Magenta (68%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6597, 20.8914, 44.9062 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 33.6597, 20.8914, 44.9062 by changing the saturation by 10% instead.



33.6597, 20.8914,  
44.9062

33.6597, 20.8914,  
44.9062

310.2247,  
256.7008, 382.5426

22.7939, 13.0446,  
31.0411

64.7519, 44.9067,  
83.8966

14.5613, 7.4593,  
20.3714

85.7091, 61.8441,  
109.8590

8.5964, 3.7510,  
12.4786

110.7608, 82.5804,  
140.6910

4.5339, 1.5353,  
6.9440

140.2724,  
107.5002, 176.8110

2.0084, 0.3133,  
3.3492

174.6093,  
136.9877, 218.6376

0.6387, 0.0000,  
1.2756

214.1367,

0.0000, 0.0000,

171.4273, 266.5894

0.0417

259.2200,  
211.2036, 321.0849

■ 0.0000, 0.0000,  
0.0000

■ 33.6597, 20.8914,  
44.9062

■ 33.6597, 20.8914,  
44.9062

■ 32.1164, 18.2468,  
43.0278

■ 35.6278, 24.3757,  
46.9542

■ 30.9592, 16.3661,  
41.3053

■ 38.0507, 28.7611,  
49.1814

■ 30.1462, 15.1648,  
39.7248

■ 40.9583, 34.1067,  
51.5980

■ 29.6132, 14.5147,  
38.2648

■ 44.3771, 40.4657,  
54.2131

■ 29.5170, 14.4066,  
37.9727

■ 48.3318, 47.8874,  
57.0351

■ 52.8456, 56.4179,  
60.0717

■ 57.9400, 66.1006,  
63.3305

■ 63.6357, 76.9764,  
66.8184

■ 69.1473, 87.4748,  
70.2737

# Harmonies

## Analogous

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



27.5757, 20.8914, 70.9095



33.6597, 20.8914, 44.9062



35.8326, 20.8914, 21.4059

# Triad

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



33.6597, 20.8914, 44.9062



19.3826, 20.8914, 2.1615



10.7761, 20.8914, 48.7406

# Complementary

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



33.6597, 20.8914, 44.9062



25.2004, 41.7068, 18.2788

# 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.



9.5151, 20.8914, 24.1433



33.6597, 20.8914, 44.9062



13.7320, 20.8914, 3.5659

# Square

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



33.6597, 20.8914, 44.9062



26.5582, 20.8914, 3.1826



10.4613, 20.8914, 9.4260



14.3894, 20.8914, 73.8701



# Rectangle

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



33.6597, 20.8914, 44.9062



34.4505, 20.8914, 11.4386



10.4613, 20.8914, 9.4260



10.1054, 20.8914, 39.7798

# Sweetspot

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



33.6604, 20.8924, 44.9066



79.9315, 73.3195, 97.4284



17.8056, 12.5209, 53.1087



17.2095, 15.5057, 21.1179



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.



33.6604, 20.8924, 44.9066



56.7984, 31.4816, 76.0650



29.1263, 19.0787, 21.0302



10.4340, 10.2222, 12.3759



19.2078, 9.3729, 24.8041



0.8471, 0.4119, 1.1623



# Inverse Universe

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



33.6604, 20.8924, 44.9066



56.7984, 31.4816, 76.0650



28.7924, 43.1436, 37.1942



10.4340, 10.2222, 12.3759



19.2078, 9.3729, 24.8041



0.8471, 0.4119, 1.1623



# Previews

## White Background



This preview shows how the XYZ color 33.6597, 20.8914, 44.9062 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

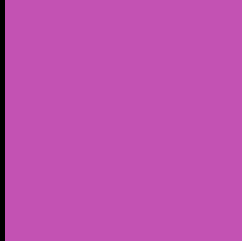
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 33.6597, 20.8914, 44.9062 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

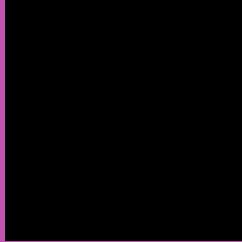
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.6597, 20.8914, 44.9062**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.6597, 20.8914, 44.9062.



This preview shows how white text looks on a background with the XYZ color 33.6597, 20.8914,



# 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

33.6597, 20.8914, 44.9062

### Protanopia

23.3698, 21.3450, 66.5066

### Deuteranopia

21.5901, 21.1565, 41.9754



## Tritanopia

27.7575, 20.7618, 16.7318

# Trichromacy



## Original Color

33.6597, 20.8914, 44.9062



## Protanomaly

24.7637, 19.6664, 57.7491



## Deuteranomaly

24.5342, 19.8721, 43.1000



## Tritanomaly

29.4526, 20.4971, 24.9583

# Monochromacy



## Original Color

33.6597, 20.8914, 44.9062



## Achromatopsia

20.1725, 21.2231, 23.1119



## Achromatomaly

23.8216, 20.1196, 29.8221

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.6597, 20.8914, 44.9062 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(195, 82, 179)` looks like.

```
.text, #text, p{  
    color:rgb(195, 82, 179)  
}
```

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(195, 82, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 82, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 33.6597, 20.8914, 44.9062 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(195, 82, 179) }
```



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

```
.border{ border-color:rgb(195, 82, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 82, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 82, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 82, 179);  
box-shadow:4px 4px 4px 4px rgb(195, 82,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.6597, 20.8914, 44.9062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 82, 179) }
```

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

```
.background{ background-color: rgb(195, 82,  
179) }
```

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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