

Converting Colors

XYZ(38.5267, 21.4832, 65.0178)

Have a look what the booklet for
XYZ(38.5267, 21.4832, 65.0178)
contains.

XYZ(38.6460, 21.5149, 65.0667)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.6460, 21.5149,
65.0667)**

Conversions

Conversions Part 1

Format	Color
Hex	CB43D5
RGB	203, 67, 213
RGB Percent	80%, 26%, 84%
CMY	0.2039, 0.7372, 0.1647
CMYK	0.05, 0.69, 0.00, 0.16
HSL	296°, 63%, 55%
HSV	296°, 69%, 84%
XYZ	38.6460, 21.5149, 65.0667
YIQ	124.3080, 34.1900, 74.2380

Conversions

Conversions Part 2

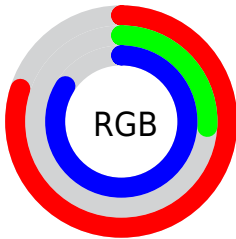
Format	Color
R _Y B	203, 67, 213
Decimal	13321173
CIE Lab	53.51, 70.81, -48.62
CIE LCh	54, 85.896, 325.528
Yxy	21.5149, 0.3086, 0.1718
Android (android.graphics.Color)	4291511253 (0xFFCB43D5)
YUV	124.3080, 43.7252, 69.0129
Hunter-Lab	46.3842, 67.5490, -50.7018

Details

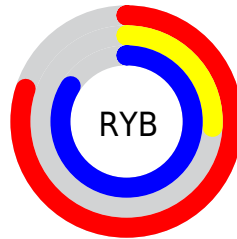
The XYZ color **38.6460, 21.5149, 65.0667** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **27.8686, 49.5720, 13.4106**, and the grayscale version is **19.1126, 20.1080, 21.8976**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **17.8486, 8.4884, 33.0454** is the 20% darker color. If you saturate the color by 10%, you get **37.2094, 19.2281, 64.7013**, and if you desaturate by 10%, it is **40.5534, 24.7364, 65.5883**.

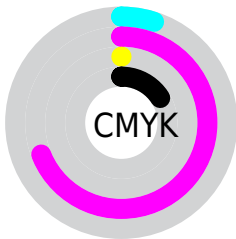
Distribution



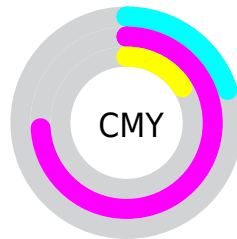
- Red (80%)
- Green (26%)
- Blue (84%)



- Red (80%)
- Yellow (26%)
- Blue (84%)



- Cyan (5%)
- Magenta (69%)
- Yellow (0%)
- Black (16%)





- Cyan (20%)
- Magenta (74%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6460, 21.5149, 65.0667 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 38.6460, 21.5149, 65.0667 by changing the saturation by 10% instead.

 38.6460, 21.5149,
65.0667


 38.6460, 21.5149,
65.0667

331.6162,
260.0024, 461.3444


 26.6639, 13.5009,
47.0635


 72.3948, 45.9429,
113.7599


 17.4563, 7.7744,
32.7311


 94.8921, 63.1257,
145.2870


 10.6576, 3.9509,
21.6511


 121.6254, 84.1336,
182.1592

 5.9027, 1.6461,
13.4049

 152.9598,
109.3508, 224.7949

 2.8261, 0.3884,
7.5740

 189.2607,
139.1620, 273.6127

 1.0625, 0.0000,
3.7397

230.8935,

 0.0000, 0.0000,

173.9514, 329.0312

1.4837

278.2236,
214.1034, 391.4689

■ 0.0000, 0.0000,
0.2057

■ 0.0000, 0.0000,
0.0000

■ 38.6460, 21.5149,
65.0667

■ 38.6460, 21.5149,
65.0667

■ 37.2094, 19.2281,
64.7013

■ 40.5534, 24.7364,
65.5883

■ 36.1872, 17.7652,
64.4728

■ 42.9750, 28.9814,
66.2800

■ 35.4979, 16.9625,
64.3542

■ 45.9518, 34.3314,
67.1558

■ 35.4079, 16.8660,
64.3404

■ 49.5203, 40.8590,
68.2277

■ 53.7137, 48.6308,
69.5067

■ 58.5626, 57.7080,
71.0033

■ 64.0958, 68.1483,
72.7268

■ 70.3403, 80.0054,
74.6863

■ 76.1278, 90.9430,
76.4925

Harmonies

Analogous

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



29.0039, 21.5149, 104.6160



38.6460, 21.5149, 65.0667



43.4732, 21.5149, 27.5774

Triad

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



38.6460, 21.5149, 65.0667



21.8516, 21.5149, 0.4630



8.3300, 21.5149, 52.5287

Complementary

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



38.6460, 21.5149, 65.0667



27.8686, 49.5720, 13.4106

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.



7.4489, 21.5149, 19.7137



38.6460, 21.5149, 65.0667



13.7676, 21.5149, 1.0325

Square

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



38.6460, 21.5149, 65.0667



32.1071, 21.5149, 1.6042



9.1066, 21.5149, 4.9177



12.0223, 21.5149, 94.3219

Rectangle

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



38.6460, 21.5149, 65.0667



42.5076, 21.5149, 12.3633



9.1066, 21.5149, 4.9177



7.7531, 21.5149, 39.6635

Sweetspot

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



38.6468, 21.5159, 65.0671



78.9453, 69.7744, 103.9147



17.1338, 11.6144, 64.2898



16.5160, 14.2267, 22.1255



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.



38.6468, 21.5159, 65.0671



55.1893, 27.8106, 97.0669



35.1296, 20.4337, 31.8711



12.8652, 12.5874, 15.6891



21.6640, 10.3207, 39.3034



1.3325, 0.6358, 2.3718

Inverse Universe

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



30.7879, 18.6971, 9.0082



43.0346, 23.5348, 6.5801



29.9950, 50.3364, 28.5008



12.4574, 12.4345, 13.0830



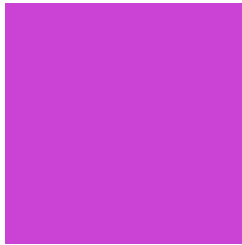
16.8265, 8.6669, 1.1243



1.0273, 0.5277, 0.1330

Previews

White Background



This preview shows how the XYZ color 38.6460, 21.5149, 65.0667 looks on a white background.

Color Contrast Check

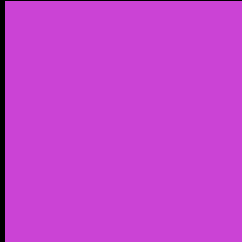
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6460, 21.5149, 65.0667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

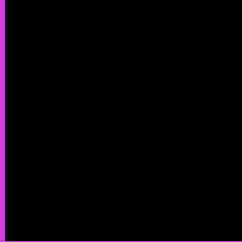
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6460, 21.5149, 65.0667

Background



This preview shows how black text looks on a background with the XYZ color 38.6460, 21.5149, 65.0667.



This preview shows how white text looks on a background with the XYZ color 38.6460, 21.5149,

65.0667.

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

38.6460, 21.5149, 65.0667

Protanopia

26.1721, 22.1067, 97.4953

Deuteranopia

22.4291, 21.7764, 59.5210



Tritanopia

28.5957, 21.3372, 16.7987

Trichromacy



Original Color

38.6460, 21.5149, 65.0667



Protanomaly

25.8340, 18.7011, 84.6861



Deuteranomaly

25.4698, 19.4802, 61.4491



Tritanomaly

31.2664, 20.8222, 29.5653

Monochromacy



Original Color

38.6460, 21.5149, 65.0667



Achromatopsia

19.1579, 20.1556, 21.9495



Achromatomaly

23.9879, 18.8731, 33.8311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6460, 21.5149, 65.0667 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(203, 67, 213)` looks like.

```
.text, #text, p{  
    color:rgb(203, 67, 213)  
}
```

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(203, 67, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 67, 213) }
```

Border

The CSS property to change the border of an element to XYZ 38.6460, 21.5149, 65.0667 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(203, 67, 213) }
```


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

```
.border{ border-color:rgb(203, 67, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 67, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 67, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 67, 213);  
box-shadow:4px 4px 4px 4px rgb(203, 67,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6460, 21.5149, 65.0667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 67, 213) }
```

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

```
.background{ background-color: rgb(203, 67,  
213) }
```

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