

# Converting Colors

XYZ(38.4403, 18.9573, 65.2534)

Have a look what the booklet for  
XYZ(38.4403, 18.9573, 65.2534)  
contains.

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# Color

**XYZ(38.5194, 19.0037,  
65.2562)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D01AD6
RGB	208, 26, 214
RGB Percent	82%, 10%, 84%
CMY	0.1843, 0.8980, 0.1608
CMYK	0.03, 0.88, 0.00, 0.16
HSL	298°, 78%, 47%
HSV	298°, 88%, 84%
XYZ	38.5194, 19.0037, 65.2562
YIQ	101.8500, 48.1240, 97.0520

# Conversions

## Conversions Part 2

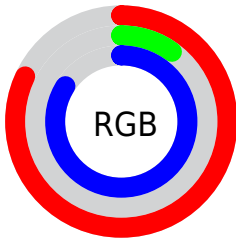
Format	Color
R <sub>YB</sub>	208, 26, 214
Decimal	13638358
CIE <sub>Lab</sub>	50.69, 82.55, -53.64
CIE <sub>LCh</sub>	51, 98.445, 326.986
Yxy	19.0037, 0.3137, 0.1548
Android (android.graphics.Color)	4291828438 (0xFFD01AD6)
YUV	101.8500, 55.2900, 93.0936
Hunter-Lab	43.5932, 81.4362, -58.2380

# Details

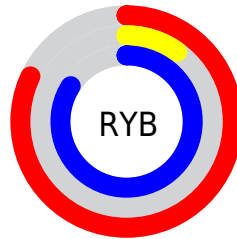
The XYZ color **38.5194, 19.0037, 65.2562** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **24.8293, 48.4752, 9.0261**, and the grayscale version is **12.4441, 13.0921, 14.2573**.

A 20% lighter version of the original color is **63.9437, 37.7874, 98.5312**, and **18.5660, 8.8582, 33.0790** is the 20% darker color. If you saturate the color by 10%, you get **38.0090, 18.2665, 65.1411**, and if you desaturate by 10%, it is **39.3761, 20.4306, 65.4867**.

# Distribution



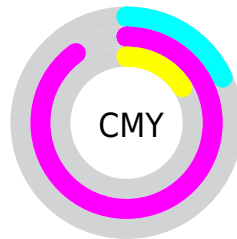
- Red (82%)
- Green (10%)
- Blue (84%)



- Red (82%)
- Yellow (10%)
- Blue (84%)



- Cyan (3%)
- Magenta (88%)
- Yellow (0%)
- Black (16%)




- Cyan (18%)
- Magenta (90%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5194, 19.0037, 65.2562 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 38.5194, 19.0037, 65.2562 by changing the saturation by 10% instead.





 38.5194, 19.0037,  
65.2562


 38.5194, 19.0037,  
65.2562


331.0853,  
246.4692, 462.0435

 26.5651, 11.6730,  
47.2162


 72.2023, 41.7404,  
114.0349


 17.3818, 6.5214,  
32.8510


 94.6617, 57.9150,  
145.6107

 10.6040, 3.1646,  
21.7422


 121.3534, 77.8065,  
182.5355

 5.8666, 1.2183,  
13.4711

 152.6429,  
101.7991, 225.2278

 2.8040, 0.0766,  
7.6192

 188.8954,  
130.2773, 274.1063

 1.0510, 0.0000,  
3.7680

 230.4765,

 0.0000, 0.0000,

163.6255, 329.5893

1.4990

277.7513,  
202.2280, 392.0955

■ 0.0000, 0.0000,  
0.2171

■ 0.0000, 0.0000,  
0.0000

■ 38.5194, 19.0037,  
65.2562

■ 38.5194, 19.0037,  
65.2562

■ 38.0090, 18.2665,  
65.1411

■ 39.3761, 20.4306,  
65.4867

■ 37.9177, 18.1452,  
65.1225

■ 40.6529, 22.6974,  
65.8570

■ 42.4045, 25.9125,  
66.3852

■ 44.6769, 30.1678,  
67.0868

■ 47.5104, 35.5443,  
67.9752

■ 50.9416, 42.1149,  
69.0626

■ 55.0038, 49.9463,  
70.3602

■ 59.7281, 59.1005,  
71.8781

■ 65.1432, 69.6353,  
73.6261

# Harmonies

## Analogous

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



27.8593, 19.0037, 113.3724



38.5194, 19.0037, 65.2562



43.6538, 19.0037, 23.6143

# Triad

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



38.5194, 19.0037, 65.2562



19.0560, 19.0037, 0.0000



6.0590, 19.0037, 55.3898

# Complementary

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



38.5194, 19.0037, 65.2562



24.8293, 48.4752, 9.0261

# 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.



5.1461, 19.0037, 18.0210



38.5194, 19.0037, 65.2562



10.8826, 19.0037, 0.0000

# Square

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



38.5194, 19.0037, 65.2562



30.1772, 19.0037, 0.3391



6.5425, 19.0037, 3.1424



9.7209, 19.0037, 104.9064



# Rectangle

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



38.5194, 19.0037, 65.2562



42.2573, 19.0037, 8.7255



6.5425, 19.0037, 3.1424



5.4930, 19.0037, 40.4243

# Sweetspot

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



38.5202, 19.0046, 65.2566



76.6490, 64.3472, 102.9881



13.0881, 6.1230, 64.1106



15.9905, 12.9745, 21.9115



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.



38.5202, 19.0046, 65.2566



56.3594, 26.9692, 96.8428



31.8849, 16.5490, 21.3450



12.9120, 12.6116, 15.6913



22.9364, 10.9766, 39.3630



1.3960, 0.6685, 2.3748



# Inverse Universe

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



28.3622, 15.1399, 2.7948



41.2846, 21.2778, 2.1648



27.4955, 49.5221, 23.9519



12.4392, 12.4272, 12.9869



16.7918, 8.6530, 0.9417



1.0186, 0.5242, 0.0872



# Previews

## White Background



This preview shows how the XYZ color 38.5194, 19.0037, 65.2562 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

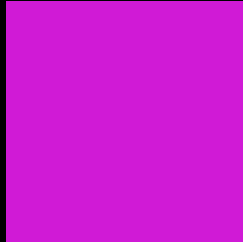
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5194, 19.0037, 65.2562 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

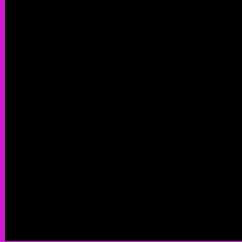
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.5194, 19.0037, 65.2562**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5194, 19.0037, 65.2562.



This preview shows how white text looks on a background with the XYZ color 38.5194, 19.0037,



# 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

38.5194, 19.0037, 65.2562

### Protanopia

23.3046, 19.4999, 91.3425

### Deuteranopia

20.0744, 19.4485, 58.5730



## Tritanopia

27.5077, 18.8976, 12.3230

# Trichromacy



## Original Color

38.5194, 19.0037, 65.2562



## Protanomaly

21.2911, 13.9333, 80.9241



## Deuteranomaly

22.2945, 15.2657, 60.1640



## Tritanomaly

29.8305, 17.5865, 25.1148

# Monochromacy



## Original Color

38.5194, 19.0037, 65.2562



## Achromatopsia

12.6291, 13.2868, 14.4694



## Achromatomaly

18.3912, 12.5434, 27.4384

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5194, 19.0037, 65.2562 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(208, 26, 214)` looks like.

```
.text, #text, p{  
    color:rgb(208, 26, 214)  
}
```

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(208, 26, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 26, 214) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5194, 19.0037, 65.2562 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(208, 26, 214) }
```



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

```
.border{ border-color:rgb(208, 26, 214) }
```

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

Here you see how a box with a 4 pixel rgb(208, 26, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 26, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 26, 214);  
box-shadow:4px 4px 4px 4px rgb(208, 26,  
214) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5194, 19.0037, 65.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 26, 214) }
```

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

```
.background{ background-color: rgb(208, 26,  
214) }
```

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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