

Converting Colors

XYZ(38.7973, 18.5957, 65.2968)

Have a look what the booklet for
XYZ(38.7973, 18.5957, 65.2968)
contains.

XYZ(38.7159, 18.5567, 65.1596)	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(38.7159, 18.5567,
65.1596)**

Conversions

Conversions Part 1

Format	Color
Hex	D200D6
RGB	210, 0, 214
RGB Percent	82%, 0%, 84%
CMY	0.1765, 0.9999, 0.1608
CMYK	0.02, 1.00, 0.00, 0.16
HSL	299°, 100%, 42%
HSV	299°, 100%, 84%
XYZ	38.7159, 18.5567, 65.1596
YIQ	87.1860, 56.4660, 111.0740

Conversions

Conversions Part 2

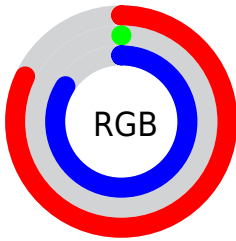
Format	Color
R_{YB}	210, 0, 214
Decimal	13762774
CIE _{Lab}	50.16, 85.45, -54.46
CIE _{LCh}	50, 101.330, 327.488
Yxy	18.5567, 0.3162, 0.1516
Android (android.graphics.Color)	4291952854 (0xFFD200D6)
YUV	87.1860, 62.5193, 107.7079
Hunter-Lab	43.0775, 85.0413, -59.5286

Details

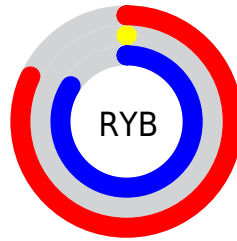
The XYZ color **38.7159, 18.5567, 65.1596** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.0973, 48.1194, 8.0188**, and the grayscale version is **8.9643, 9.4312, 10.2705**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **18.7492, 8.9527, 33.0876** is the 20% darker color. If you saturate the color by 10%, you get **38.7162, 18.5568, 65.1599**, and if you desaturate by 10%, it is **39.1065, 19.1680, 65.2572**.

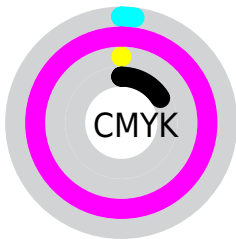
Distribution



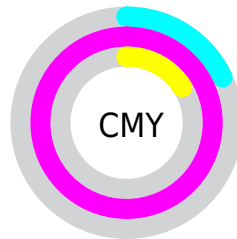
- Red (82%)
- Green (0%)
- Blue (84%)



- Red (82%)
- Yellow (0%)
- Blue (84%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (16%)





- Cyan (18%)
- Magenta (100%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7159, 18.5567, 65.1596 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 38.7159, 18.5567, 65.1596 by changing the saturation by 10% instead.


 38.7159, 18.5567,
65.1596


 38.7159, 18.5567,
65.1596

331.9091,
243.9904, 461.6872

 26.7185, 11.3504,
47.1383


 72.5010, 40.9837,
113.8948

 17.4974, 6.3030,
32.7899


 95.0193, 56.9731,
145.4457


 10.6873, 3.0302,
21.6957


 121.7755, 76.6591,
182.3437

 5.9227, 1.1475,
13.4373

 153.1346,
100.4260, 225.0072

 2.8383, 0.0182,
7.5961

 189.4622,
128.6582, 273.8547

 1.0689, 0.0000,
3.7536

 231.1236,

 0.0000, 0.0000,

161.7400, 329.3049

1.4912

278.4841,
200.0560, 391.7762

■ 0.0000, 0.0000,
0.2113

■ 0.0000, 0.0000,
0.0000

■ 38.7159, 18.5567,
65.1596

■ 38.7159, 18.5567,
65.1596

■ 38.7162, 18.5568,
65.1599

■ 39.1065, 19.1680,
65.2572

■ 39.8024, 20.3901,
65.4565

■ 40.9058, 22.4266,
65.7914

■ 42.4726, 25.3898,
66.2808

■ 44.5503, 29.3742,
66.9403

■ 47.1804, 34.4629,
67.7839

■ 50.4000, 40.7304,
68.8240

■ 54.2433, 48.2446,
70.0718

■ 58.7415, 57.0685,
71.5379

Harmonies

Analogous

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



27.8158, 18.5567, 115.4931



38.7159, 18.5567, 65.1596



43.8756, 18.5567, 22.6584

Triad

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



38.7159, 18.5567, 65.1596



18.4746, 18.5567, 0.0000



5.6642, 18.5567, 56.6376

Complementary

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



38.7159, 18.5567, 65.1596



24.0973, 48.1194, 8.0188

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.



4.7336, 18.5567, 17.9356



38.7159, 18.5567, 65.1596



10.3055, 18.5567, 0.0000

Square

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



38.7159, 18.5567, 65.1596



29.7949, 18.5567, 0.0728



6.0595, 18.5567, 2.8834



9.3397, 18.5567, 108.1109

Rectangle

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



38.7159, 18.5567, 65.1596



42.3320, 18.5567, 7.9599



6.0595, 18.5567, 2.8834



5.0965, 18.5567, 41.0877

Sweetspot

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



38.7167, 18.5576, 65.1600



74.7860, 60.2500, 102.2955



12.2158, 5.0108, 63.9419



15.5498, 12.0044, 21.7475



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.



38.7167, 18.5576, 65.1600



57.5582, 27.5872, 96.8990



30.7777, 15.5152, 17.3364



12.9290, 12.6203, 15.6921



23.4118, 11.2218, 39.3852



1.4196, 0.6807, 2.3759

Inverse Universe

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



27.7541, 14.3057, 1.4142



41.2661, 21.2704, 2.0675



26.3417, 49.0114, 20.0988



12.4326, 12.4245, 12.9522



16.7794, 8.6481, 0.8766



1.0154, 0.5230, 0.0707

Previews

White Background



This preview shows how the XYZ color 38.7159, 18.5567, 65.1596 looks on a white background.

Color Contrast Check

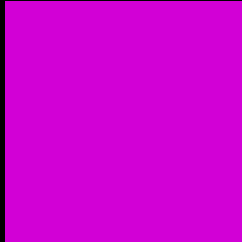
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7159, 18.5567, 65.1596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

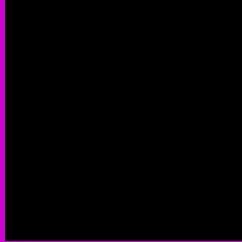
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.7159, 18.5567, 65.1596

Background



This preview shows how black text looks on a background with the XYZ color 38.7159, 18.5567, 65.1596.



This preview shows how white text looks on a background with the XYZ color 38.7159, 18.5567,

65.1596.

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

38.7159, 18.5567, 65.1596

Protanopia

23.1498, 19.4380, 90.5275

Deuteranopia

19.8860, 19.3651, 57.9481



Tritanopia

27.7807, 18.8146, 11.8402

Trichromacy



Original Color

38.7159, 18.5567, 65.1596



Protanomaly

20.4247, 12.4322, 79.9204



Deuteranomaly

21.6107, 13.8981, 59.9361



Tritanomaly

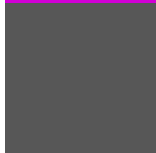
29.7337, 16.7130, 24.5805

Monochromacy



Original Color

38.7159, 18.5567, 65.1596



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.1155, 9.3314, 23.1948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7159, 18.5567, 65.1596 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(210, 0, 214)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 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(210, 0, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 0, 214) }
```

Border

The CSS property to change the border of an element to XYZ 38.7159, 18.5567, 65.1596 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(210, 0, 214) }
```


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

```
.border{ border-color:rgb(210, 0, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 0, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 0, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 0, 214);  
box-shadow:4px 4px 4px 4px rgb(210, 0,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7159, 18.5567, 65.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 0, 214) }
```

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

```
.background{ background-color: rgb(210, 0,  
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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