

Converting Colors

XYZ(38.5960, 18.5397, 63.1307)

Have a look what the booklet for
XYZ(38.5960, 18.5397, 63.1307)
contains.

XYZ(38.6218, 18.5520, 63.1733)	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(38.6218, 18.5520,
63.1733)**

Conversions

Conversions Part 1

Format	Color
Hex	D300D3
RGB	211, 0, 211
RGB Percent	83%, 0%, 83%
CMY	0.1725, 0.9999, 0.1725
CMYK	0.00, 1.00, 0.00, 0.17
HSL	300°, 100%, 41%
HSV	300°, 100%, 83%
XYZ	38.6218, 18.5520, 63.1733
YIQ	87.1430, 58.0250, 110.3530

Conversions

Conversions Part 2

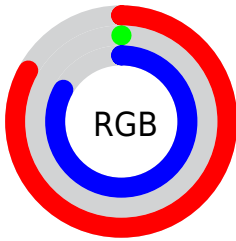
Format	Color
R_{YB}	211, 0, 211
Decimal	13828307
CIE Lab	50.16, 85.17, -52.74
CIE LCh	50, 100.181, 328.233
Yxy	18.5520, 0.3209, 0.1542
Android (android.graphics.Color)	4292018387 (0xFFD300D3)
YUV	87.1430, 61.0615, 108.6226
Hunter-Lab	43.0720, 84.6812, -56.8096

Details

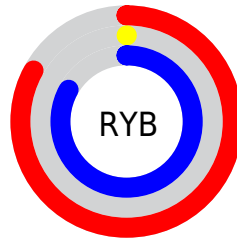
The XYZ color **38.6218, 18.5520, 63.1733** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.2951, 46.5894, 7.7657**, and the grayscale version is **8.9576, 9.4241, 10.2628**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **18.7632, 8.9796, 32.1968** is the 20% darker color. If you saturate the color by 10%, you get **38.6223, 18.5522, 63.1736**, and if you desaturate by 10%, it is **38.8928, 19.0933, 63.2638**.

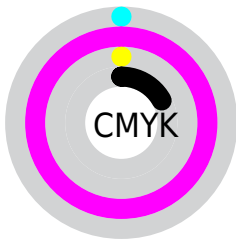
Distribution



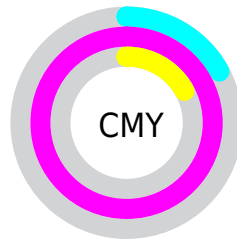
- Red (83%)
- Green (0%)
- Blue (83%)



- Red (83%)
- Yellow (0%)
- Blue (83%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (17%)



- Cyan (17%)
- Magenta (100%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6218, 18.5520, 63.1733 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 38.6218, 18.5520, 63.1733 by changing the saturation by 10% instead.

 38.6218, 18.5520,
63.1733


 38.6218, 18.5520,
63.1733

331.5148,
243.9643, 454.3234

 26.6450, 11.3470,
45.5395


 72.3580, 40.9757,
111.0075


 17.4420, 6.3007,
31.5366


 94.8481, 56.9632,
142.0450


 10.6474, 3.0288,
20.7459


 121.5734, 76.6470,
178.3874

 5.8958, 1.1468,
12.7489

 152.8992,
100.4115, 220.4534

 2.8219, 0.0176,
7.1272

 189.1909,
128.6411, 268.6615

 1.0603, 0.0000,
3.4621

 230.8138,

 0.0000, 0.0000,

161.7201, 323.4301

1.3352

278.1333,
200.0331, 385.1779

■ 0.0000, 0.0000,
0.0904

■ 0.0000, 0.0000,
0.0000

■ 38.6218, 18.5520,
63.1733

■ 38.6218, 18.5520,
63.1733

■ 38.6223, 18.5522,
63.1736

■ 38.8928, 19.0933,
63.2638

■ 39.4584, 20.2245,
63.4524

■ 40.4181, 22.1438,
63.7723

■ 41.8260, 24.9597,
64.2417

■ 43.7280, 28.7636,
64.8758

■ 46.1639, 33.6355,
65.6878

■ 49.1699, 39.6474,
66.6899

■ 52.7787, 46.8649,
67.8928

■ 57.0206, 55.3488,
69.3069

Harmonies

Analogous

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



27.9661, 18.5520, 112.7329



38.6218, 18.5520, 63.1733



43.4939, 18.5520, 21.8864

Triad

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



38.6218, 18.5520, 63.1733



18.2125, 18.5520, 0.0000



5.8049, 18.5520, 57.2858

Complementary

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



38.6218, 18.5520, 63.1733



23.2951, 46.5894, 7.7657

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.



4.8171, 18.5520, 18.6025



38.6218, 18.5520, 63.1733



10.2220, 18.5520, 0.0000

Square

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



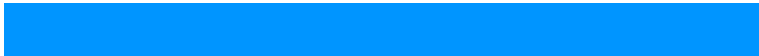
38.6218, 18.5520, 63.1733



29.3381, 18.5520, 0.0914



6.0825, 18.5520, 3.1389



9.5472, 18.5520, 107.6465

Rectangle

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



38.6218, 18.5520, 63.1733



41.8285, 18.5520, 7.7046



6.0825, 18.5520, 3.1389



5.2168, 18.5520, 41.8468

Sweetspot

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



38.6226, 18.5529, 63.1737



75.3100, 60.5201, 102.3197



11.7587, 4.7040, 61.9171



15.6777, 12.0703, 21.7534



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.



38.6226, 18.5529, 63.1737



59.2898, 28.4799, 96.9790



29.4410, 14.8802, 14.8243



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1247



1.3032, 0.6260, 2.1317

Inverse Universe

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



38.6226, 18.5529, 63.1737



59.2898, 28.4799, 96.9790



25.8713, 47.6199, 21.3318



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1247



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 38.6218, 18.5520, 63.1733 looks on a white background.

Color Contrast Check

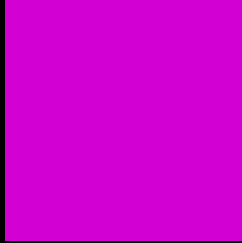
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6218, 18.5520, 63.1733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

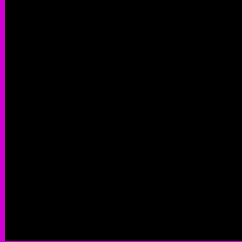
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6218, 18.5520, 63.1733

Background



This preview shows how black text looks on a background with the XYZ color 38.6218, 18.5520, 63.1733.



This preview shows how white text looks on a background with the XYZ color 38.6218, 18.5520,

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

38.6218, 18.5520, 63.1733

Protanopia

23.1498, 19.4380, 90.5275

Deuteranopia

19.8251, 19.3740, 56.1207



Tritanopia

28.1434, 18.8969, 11.3967

Trichromacy



Original Color

38.6218, 18.5520, 63.1733



Protanomaly

20.3606, 12.4159, 79.1653



Deuteranomaly

21.6723, 13.9715, 58.0544



Tritanomaly

30.1353, 16.9362, 23.8710

Monochromacy



Original Color

38.6218, 18.5520, 63.1733



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0468, 9.3039, 22.8326

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6218, 18.5520, 63.1733 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(211, 0, 211)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 211)  
}
```

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(211, 0, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 211) }
```

Border

The CSS property to change the border of an element to XYZ 38.6218, 18.5520, 63.1733 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(211, 0, 211) }
```


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

```
.border{ border-color:rgb(211, 0, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 211);  
box-shadow:4px 4px 4px 4px rgb(211, 0,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6218, 18.5520, 63.1733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 211) }
```

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

```
.background{ background-color: rgb(211, 0,  
211) }
```

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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