

Converting Colors

XYZ(38.3500, 18.4215, 62.7287)

Have a look what the booklet for
XYZ(38.3500, 18.4215, 62.7287)
contains.

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Color

**XYZ(38.2112, 18.3548,
62.5016)**

Conversions

Conversions Part 1

Format	Color
Hex	D200D2
RGB	210, 0, 210
RGB Percent	82%, 0%, 82%
CMY	0.1765, 0.9999, 0.1765
CMYK	0.00, 1.00, 0.00, 0.18
HSL	300°, 100%, 41%
HSV	300°, 100%, 82%
XYZ	38.2112, 18.3548, 62.5016
YIQ	86.7300, 57.7500, 109.8300

Conversions

Conversions Part 2

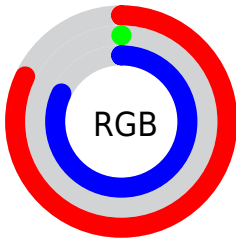
Format	Color
R_{YB}	210, 0, 210
Decimal	13762770
CIE Lab	49.92, 84.87, -52.55
CIE LCh	50, 99.824, 328.233
Yxy	18.3548, 0.3209, 0.1542
Android (android.graphics.Color)	4291952850 (0xFFD200D2)
YUV	86.7300, 60.7721, 108.1078
Hunter-Lab	42.8425, 84.2297, -56.5066

Details

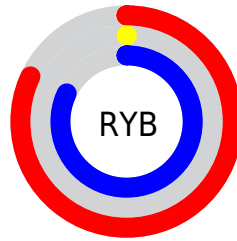
The XYZ color **38.2112, 18.3548, 62.5016** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.0475, 46.0941, 7.6832**, and the grayscale version is **8.8704, 9.3323, 10.1629**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.4941, 8.8506, 31.7439** is the 20% darker color. If you saturate the color by 10%, you get **38.2116, 18.3550, 62.5019**, and if you desaturate by 10%, it is **38.4804, 18.8925, 62.5915**.

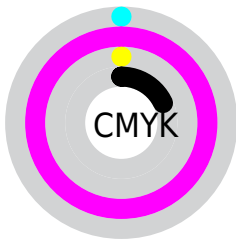
Distribution



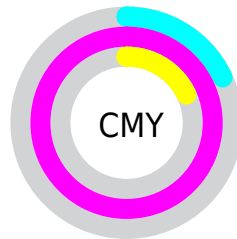
- Red (82%)
- Green (0%)
- Blue (82%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2112, 18.3548, 62.5016 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 38.2112, 18.3548, 62.5016 by changing the saturation by 10% instead.

 38.2112, 18.3548,
62.5016


 38.2112, 18.3548,
62.5016

329.7903,
242.8633, 451.8165


 26.3246, 11.2050,
44.9997


 71.7336, 40.6410,
110.0288


 17.2006, 6.2049,
31.1143


 94.1000, 56.5462,
140.8911

 10.4738, 2.9701,
20.4267


 120.6905, 76.1386,
177.0441

 5.7789, 1.1161,
12.5184

 151.8703, 99.8027,
218.9062

 2.7505, 0.0000,
6.9710

 188.0049,
127.9228, 266.8959

 1.0232, 0.0000,
3.3658

 229.4595,

 0.0000, 0.0000,

160.8833, 321.4318

1.2843

276.5995,
199.0687, 382.9325

■ 0.0000, 0.0000,
0.0489

■ 0.0000, 0.0000,
0.0000

■ 38.2112, 18.3548,
62.5016

■ 38.2112, 18.3548,
62.5016

■ 38.2116, 18.3550,
62.5019

■ 38.4804, 18.8925,
62.5915

■ 39.0407, 20.0131,
62.7783

■ 39.9909, 21.9134,
63.0951

■ 41.3844, 24.7005,
63.5597

■ 43.2664, 28.4645,
64.1871

■ 45.6765, 33.2847,
64.9906

■ 48.6503, 39.2322,
65.9819

■ 52.2202, 46.3719,
67.1719

■ 56.4161, 54.7638,
68.5706

Harmonies

Analogous

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



27.6688, 18.3548, 111.5342



38.2112, 18.3548, 62.5016



43.0315, 18.3548, 21.6537

Triad

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



38.2112, 18.3548, 62.5016



18.0189, 18.3548, 0.0000



5.7432, 18.3548, 56.6767

Complementary

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



38.2112, 18.3548, 62.5016



23.0475, 46.0941, 7.6832

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.



4.7659, 18.3548, 18.4048



38.2112, 18.3548, 62.5016



10.1134, 18.3548, 0.0000

Square

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



38.2112, 18.3548, 62.5016



29.0262, 18.3548, 0.0843



6.0179, 18.3548, 3.1055



9.4458, 18.3548, 106.5019

Rectangle

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



38.2112, 18.3548, 62.5016



41.3838, 18.3548, 7.6227



6.0179, 18.3548, 3.1055



5.1613, 18.3548, 41.4020

Sweetspot

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



38.2120, 18.3557, 62.5020



75.3100, 60.5201, 102.3197



11.6337, 4.6541, 61.2588



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.



38.2120, 18.3557, 62.5020



59.2898, 28.4799, 96.9789



29.1297, 14.7227, 14.6753



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.



38.2120, 18.3557, 62.5020



59.2898, 28.4799, 96.9789



25.5979, 47.1143, 21.1137



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 38.2112, 18.3548, 62.5016 looks on a white background.

Color Contrast Check

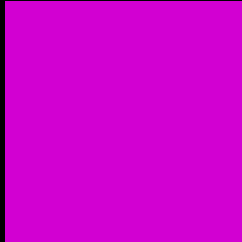
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.2112, 18.3548, 62.5016 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

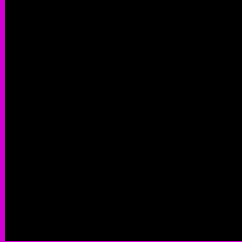
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.2112, 18.3548, 62.5016

Background



This preview shows how black text looks on a background with the XYZ color 38.2112, 18.3548, 62.5016.



This preview shows how white text looks on a background with the XYZ color 38.2112, 18.3548,

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

38.2112, 18.3548, 62.5016

Protanopia

22.8799, 19.1446, 89.6782

Deuteranopia

19.5879, 19.0837, 55.4744



Tritanopia

27.8047, 18.6095, 11.3590

Trichromacy



Original Color

38.2112, 18.3548, 62.5016



Protanomaly

20.1373, 12.3173, 78.4069



Deuteranomaly

21.3406, 13.7096, 57.3986



Tritanomaly

29.7500, 16.6785, 23.4811

Monochromacy



Original Color

38.2112, 18.3548, 62.5016



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 38.2112, 18.3548, 62.5016 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, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 0, 210)  
}
```

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, 210) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 38.2112, 18.3548, 62.5016 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, 210) }
```


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

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

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, 210)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 38.2112, 18.3548, 62.5016 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, 210) }
```

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

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

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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