

Converting Colors

XYZ(38.1429, 18.4187, 61.4997)

Have a look what the booklet for
XYZ(38.1429, 18.4187, 61.4997)
contains.

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Color

**XYZ(38.0178, 18.3642,
61.2154)**

Conversions

Conversions Part 1

Format	Color
Hex	D205D0
RGB	210, 5, 208
RGB Percent	82%, 2%, 82%
CMY	0.1765, 0.9803, 0.1843
CMYK	0.00, 0.98, 0.01, 0.18
HSL	301°, 95%, 42%
HSV	301°, 98%, 82%
XYZ	38.0178, 18.3642, 61.2154
YIQ	89.4370, 57.0170, 106.5930

Conversions

Conversions Part 2

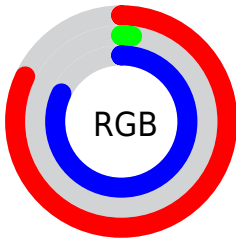
Format	Color
R_{YB}	210, 5, 208
Decimal	13764048
CIE _{Lab}	49.93, 84.20, -51.39
CIE _{LCh}	50, 98.640, 328.604
Yxy	18.3642, 0.3233, 0.1562
Android (android.graphics.Color)	4291954128 (0xFFD205D0)
YUV	89.4370, 58.4516, 105.7338
Hunter-Lab	42.8535, 83.3641, -54.6973

Details

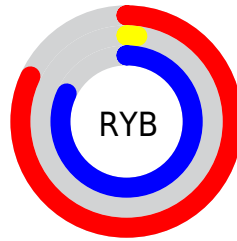
The XYZ color **38.0178, 18.3642, 61.2154** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **23.1484, 46.1418, 7.8880**, and the grayscale version is **9.4613, 9.9541, 10.8400**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **18.3274, 8.7839, 30.8665** is the 20% darker color. If you saturate the color by 10%, you get **37.9580, 18.2535, 61.1658**, and if you desaturate by 10%, it is **38.3592, 19.0060, 61.4539**.

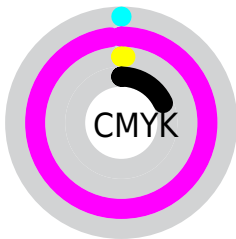
Distribution



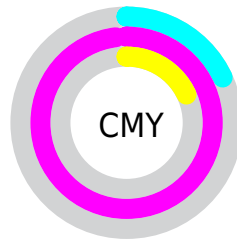
- Red (82%)
- Green (2%)
- Blue (82%)



- Red (82%)
- Yellow (2%)
- Blue (82%)



- Cyan (0%)
- Magenta (98%)
- Yellow (1%)
- Black (18%)





- Cyan (18%)
- Magenta (98%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.0178, 18.3642, 61.2154 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 38.0178, 18.3642, 61.2154 by changing the saturation by 10% instead.

 38.0178, 18.3642,
61.2154


 38.0178, 18.3642,
61.2154


328.9759,
242.9159, 446.9917


 26.1738, 11.2118,
43.9673


 71.4391, 40.6569,
108.1513

 17.0871, 6.2095,
30.3078


 93.7472, 56.5661,
138.6763


 10.3923, 2.9729,
19.8183


 120.2739, 76.1628,
174.4639

 5.7241, 1.1176,
12.0803

 151.3847, 99.8317,
215.9328

 2.7171, 0.0000,
6.6752

 187.4450,
127.9571, 263.5015

 1.0060, 0.0000,
3.1845

 228.8200,

 0.0000, 0.0000,

160.9233, 317.5885

1.1896

275.8752,
199.1148, 378.6124

■ 0.0000, 0.0000,
0.0000

■ 38.0178, 18.3642,
61.2154

■ 38.0178, 18.3642,
61.2154

■ 37.9580, 18.2535,
61.1658

■ 38.3592, 19.0060,
61.4539

■ 39.0321, 20.3113,
61.8029

■ 40.1086, 22.4238,
62.2865

■ 41.6398, 25.4456,
62.9220

■ 43.6694, 29.4643,
63.7237

■ 46.2359, 34.5566,
64.7045

■ 49.3741, 40.7923,
65.8761

■ 53.1157, 48.2348,
67.2490

■ 57.4903, 56.9432,
68.8330

Harmonies

Analogous

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



27.6814, 18.3642, 109.3451



38.0178, 18.3642, 61.2154



42.6569, 18.3642, 21.2910

Triad

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



38.0178, 18.3642, 61.2154



17.9013, 18.3642, 0.0000



5.8667, 18.3642, 56.6990

Complementary

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



38.0178, 18.3642, 61.2154



23.1484, 46.1418, 7.8880

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.



4.8607, 18.3642, 18.7537



38.0178, 18.3642, 61.2154



10.1194, 18.3642, 0.0000

Square

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



38.0178, 18.3642, 61.2154



28.7378, 18.3642, 0.1326



6.0834, 18.3642, 3.2900



9.5953, 18.3642, 105.4549

Rectangle

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



38.0178, 18.3642, 61.2154



40.9666, 18.3642, 7.5629



6.0834, 18.3642, 3.2900



5.2746, 18.3642, 41.6209

Sweetspot

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



38.0186, 18.3651, 61.2158



75.7080, 61.5017, 101.8803



11.7505, 4.7948, 61.2799



15.7457, 12.2519, 21.6356



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.



38.0186, 18.3651, 61.2158



58.8917, 28.3207, 94.8826



29.3143, 14.8834, 15.3798



12.3056, 12.0070, 14.8853



23.1558, 11.1351, 37.3220



1.2964, 0.6233, 2.0955

Inverse Universe

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



38.0186, 18.3651, 61.2158



58.8917, 28.3207, 94.8826



25.7909, 47.1988, 21.8030



12.3056, 12.0070, 14.8853



23.1558, 11.1351, 37.3220



1.2964, 0.6233, 2.0955

Previews

White Background



This preview shows how the XYZ color 38.0178, 18.3642, 61.2154 looks on a white background.

Color Contrast Check

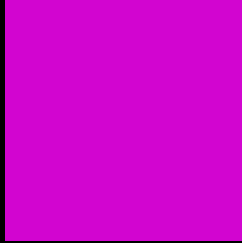
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0178, 18.3642, 61.2154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

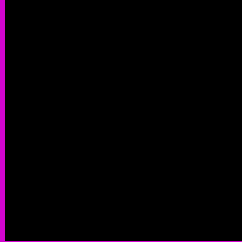
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0178, 18.3642, 61.2154

Background



This preview shows how black text looks on a background with the XYZ color 38.0178, 18.3642, 61.2154.



This preview shows how white text looks on a background with the XYZ color 38.0178, 18.3642,

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

38.0178, 18.3642, 61.2154

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.5117, 19.0707, 54.2824



Tritanopia

27.7636, 18.5930, 11.1423

Trichromacy



Original Color

38.0178, 18.3642, 61.2154



Protanomaly

20.1304, 12.5316, 77.7018



Deuteranomaly

21.3897, 13.9730, 56.2133



Tritanomaly

29.7730, 16.8336, 23.1527

Monochromacy



Original Color

38.0178, 18.3642, 61.2154



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

15.3508, 9.6786, 22.8889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0178, 18.3642, 61.2154 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, 5, 208)` looks like.

```
.text, #text, p{  
    color:rgb(210, 5, 208)  
}
```

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, 5, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 5, 208) }
```

Border

The CSS property to change the border of an element to XYZ 38.0178, 18.3642, 61.2154 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, 5, 208) }
```


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

```
.border{ border-color:rgb(210, 5, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 5, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 5, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 5, 208);  
box-shadow:4px 4px 4px 4px rgb(210, 5,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0178, 18.3642, 61.2154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 5, 208) }
```

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

```
.background{ background-color: rgb(210, 5,  
208) }
```

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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