

Converting Colors

XYZ(38.6729, 18.7662, 54.6893)

Have a look what the booklet for
XYZ(38.6729, 18.7662, 54.6893)
contains.

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Color

**XYZ(38.6933, 18.7829,
54.4094)**

Conversions

Conversions Part 1

Format	Color
Hex	D900C5
RGB	217, 0, 197
RGB Percent	85%, 0%, 77%
CMY	0.1490, 0.9999, 0.2274
CMYK	0.00, 1.00, 0.09, 0.15
HSL	306°, 100%, 43%
HSV	306°, 100%, 85%
XYZ	38.6933, 18.7829, 54.4094
YIQ	87.3410, 66.0950, 107.2710

Conversions

Conversions Part 2

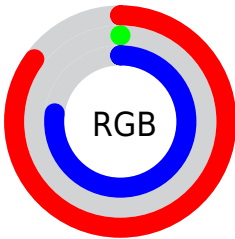
Format	Color
R_{YB}	217, 0, 197
Decimal	14221509
CIE _{Lab}	50.43, 84.22, -44.17
CIE _{LCh}	50, 95.103, 332.325
Yxy	18.7829, 0.3458, 0.1679
Android (android.graphics.Color)	4292411589 (0xFFD900C5)
YUV	87.3410, 54.0619, 113.7109
Hunter-Lab	43.3392, 83.5212, -44.0970

Details

The XYZ color **38.6933, 18.7829, 54.4094** 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 **24.9401, 49.6771, 8.9376**, and the grayscale version is **9.0139, 9.4833, 10.3273**.

A 20% lighter version of the original color is **63.2216, 36.6002, 97.4983**, and **18.7871, 9.1211, 26.3615** is the 20% darker color. If you saturate the color by 10%, you get **38.6933, 18.7830, 54.4078**, and if you desaturate by 10%, it is **39.2063, 19.4391, 55.7190**.

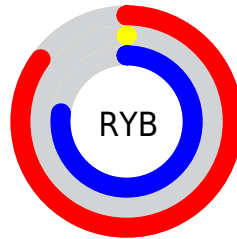
Distribution



Red (85%)

Green (0%)

Blue (77%)



Red (85%)

Yellow (0%)

Blue (77%)

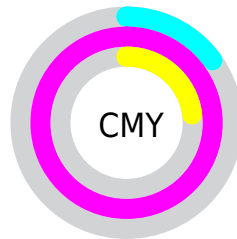


Cyan (0%)

Magenta (100%)

Yellow (9%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6933, 18.7829, 54.4094 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 38.6933, 18.7829, 54.4094 by changing the saturation by 10% instead.


 38.6933, 18.7829,
54.4094


 38.6933, 18.7829,
54.4094

331.8144,
245.2476, 420.8879


 26.7009, 11.5135,
38.5337


 72.4666, 41.3669,
98.1375


 17.4841, 6.4133,
26.0921


 94.9782, 57.4504,
126.8270


 10.6777, 3.0980,
16.6662


 121.7269, 77.2406,
160.6249

 5.9162, 1.1831,
9.8373

 153.0781,
101.1220, 199.9496

 2.8344, 0.0479,
5.1870

 189.3971,
129.4790, 245.2197

 1.0668, 0.0000,
2.2968

 231.0492,

 0.0000, 0.0000,

162.6961, 296.8538

0.7294

278.3999,
201.1574, 355.2703

■ 0.0000, 0.0000,
0.0000

■ 38.6933, 18.7829,
54.4094

■ 38.6933, 18.7829,
54.4094

■ 38.6933, 18.7830,
54.4078

■ 39.2063, 19.4391,
55.7190

■ 40.0380, 20.7284,
57.1497

■ 41.2932, 22.8597,
58.7368

■ 43.0300, 25.9493,
60.4995

■ 45.2974, 30.0951,
62.4544

■ 48.1383, 35.3831,
64.6157

■ 51.5914, 41.8903,
66.9964

■ 55.6917, 49.6871,
69.6083

■ 60.4719, 58.8386,
72.4623

Harmonies

Analogous

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



29.1535, 18.7829, 100.7683



38.6933, 18.7829, 54.4094



42.1764, 18.7829, 18.4532

Triad

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



38.6933, 18.7829, 54.4094



17.1405, 18.7829, 0.0000



6.6453, 18.7829, 61.5768

Complementary

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



38.6933, 18.7829, 54.4094



24.9401, 49.6771, 8.9376

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.



5.3250, 18.7829, 22.5888



38.6933, 18.7829, 54.4094



9.9301, 18.7829, 0.4606

Square

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



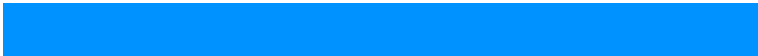
38.6933, 18.7829, 54.4094



27.4541, 18.7829, 0.1908



6.2788, 18.7829, 4.7423



10.7999, 18.7829, 106.8728

Rectangle

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



38.6933, 18.7829, 54.4094



39.8802, 18.7829, 6.5617



6.2788, 18.7829, 4.7423



5.9356, 18.7829, 46.5484

Sweetspot

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



38.6940, 18.7838, 54.4098



74.1953, 60.0742, 96.4496



12.7765, 5.1402, 65.9651



15.4063, 11.9617, 20.3241



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.



38.6940, 18.7838, 54.4098



55.7336, 27.0574, 78.2523



30.4800, 15.4982, 11.1556



13.5599, 13.2531, 16.2098



23.4435, 11.3784, 33.0452



1.5342, 0.7433, 2.2222

Inverse Universe

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



38.6940, 18.7838, 54.4098



55.7336, 27.0574, 78.2523



28.6181, 51.1483, 28.3058



13.5599, 13.2531, 16.2098



23.4435, 11.3784, 33.0452



1.5342, 0.7433, 2.2222

Previews

White Background



This preview shows how the XYZ color 38.6933, 18.7829, 54.4094 looks on a white background.

Color Contrast Check

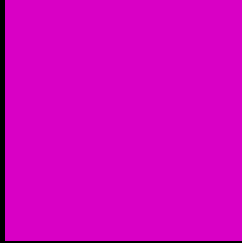
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6933, 18.7829, 54.4094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

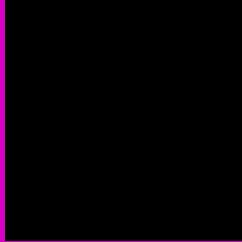
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6933, 18.7829, 54.4094

Background



This preview shows how black text looks on a background with the XYZ color 38.6933, 18.7829, 54.4094.



This preview shows how white text looks on a background with the XYZ color 38.6933, 18.7829,

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

38.6933, 18.7829, 54.4094

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.9087, 19.4017, 48.5945



Tritanopia

29.6305, 19.0388, 10.0958

Trichromacy



Original Color

38.6933, 18.7829, 54.4094



Protanomaly

19.9562, 12.2730, 76.1800



Deuteranomaly

22.1557, 14.3002, 49.7366



Tritanomaly

31.3147, 17.3535, 20.7679

Monochromacy



Original Color

38.6933, 18.7829, 54.4094



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0285, 9.3330, 21.0880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6933, 18.7829, 54.4094 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(217, 0, 197)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 197)  
}
```

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(217, 0, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 197) }
```

Border

The CSS property to change the border of an element to XYZ 38.6933, 18.7829, 54.4094 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(217, 0, 197) }
```


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

```
.border{ border-color:rgb(217, 0, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 0, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 197);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6933, 18.7829, 54.4094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 197) }
```

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

```
.background{ background-color: rgb(217, 0,  
197) }
```

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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