

Converting Colors

XYZ(38.3915, 18.6536, 53.2078)

Have a look what the booklet for
XYZ(38.3915, 18.6536, 53.2078)
contains.

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Color

**XYZ(38.4656, 18.6918,
53.2103)**

Conversions

Conversions Part 1

Format	Color
Hex	D900C3
RGB	217, 0, 195
RGB Percent	85%, 0%, 76%
CMY	0.1490, 0.9999, 0.2353
CMYK	0.00, 1.00, 0.10, 0.15
HSL	306°, 100%, 43%
HSV	306°, 100%, 85%
XYZ	38.4656, 18.6918, 53.2103
YIQ	87.1130, 66.7370, 106.6490

Conversions

Conversions Part 2

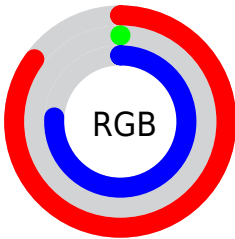
Format	Color
RYB	217, 0, 195
Decimal	14221507
CIELab	50.32, 83.96, -43.18
CIELCh	50, 94.412, 332.782
Yxy	18.6918, 0.3485, 0.1694
Android (android.graphics.Color)	4292411587 (0xFFD900C3)
YUV	87.1130, 53.1883, 113.9109
Hunter-Lab	43.2340, 83.1532, -42.7074

Details

The XYZ color **38.4656, 18.6918, 53.2103** 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 **24.9587, 49.6845, 9.0353**, and the grayscale version is **8.9666, 9.4336, 10.2732**.

A 20% lighter version of the original color is **62.9029, 36.4727, 95.8200**, and **18.7123, 9.0912, 25.9678** is the 20% darker color. If you saturate the color by 10%, you get **38.4656, 18.6919, 53.2086**, and if you desaturate by 10%, it is **38.9985, 19.3560, 54.6247**.

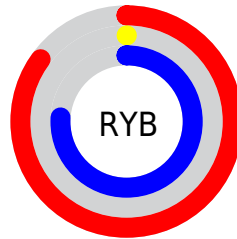
Distribution



Red (85%)

Green (0%)

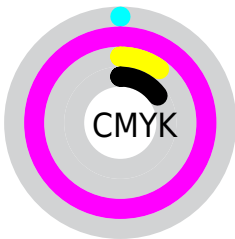
Blue (76%)



Red (85%)

Yellow (0%)

Blue (76%)

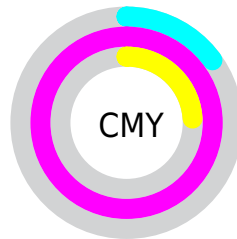


Cyan (0%)

Magenta (100%)

Yellow (10%)

Black (15%)



Cyan (15%)


Magenta (100%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4656, 18.6918, 53.2103 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 38.4656, 18.6918, 53.2103 by changing the saturation by 10% instead.


 38.4656, 18.6918,
53.2103


 38.4656, 18.6918,
53.2103


330.8595,
244.7420, 416.1806


 26.5231, 11.4478,
37.5818


 72.1205, 41.2127,
96.3584


 17.3501, 6.3689,
25.3590


 94.5637, 57.2583,
124.7151

 10.5813, 3.0707,
16.1232


 121.2378, 77.0066,
158.1517

 5.8512, 1.1687,
9.4561

 152.5081,
100.8420, 197.0866

 2.7946, 0.0359,
4.9390

 188.7401,
129.1488, 241.9384

 1.0461, 0.0000,
2.1534

 230.2991,

 0.0000, 0.0000,

162.3115, 293.1256

0.6473

277.5504,
200.7144, 351.0668

■ 0.0000, 0.0000,
0.0000

■ 38.4656, 18.6918,
53.2103

■ 38.4656, 18.6918,
53.2103

■ 38.4656, 18.6919,
53.2086

■ 38.9985, 19.3560,
54.6247

■ 39.8507, 20.6534,
56.1635

■ 41.1271, 22.7932,
57.8620

■ 42.8856, 25.8914,
59.7395

■ 45.1754, 30.0461,
61.8125

■ 48.0394, 35.3433,
64.0954

■ 51.5161, 41.8599,
66.6010

■ 55.6409, 49.6665,
69.3413

■ 60.4460, 58.8279,
72.3270

Harmonies

Analogous

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



29.1021, 18.6918, 98.9578



38.4656, 18.6918, 53.2103



41.7837, 18.6918, 18.0019

Triad

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



38.4656, 18.6918, 53.2103



16.9252, 18.6918, 0.0000



6.6962, 18.6918, 61.6661

Complementary

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



38.4656, 18.6918, 53.2103



24.9587, 49.6845, 9.0353

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.



5.3467, 18.6918, 22.8986



38.4656, 18.6918, 53.2103



9.8382, 18.6918, 0.5167

Square

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



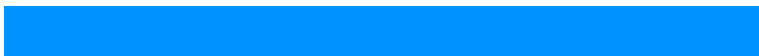
38.4656, 18.6918, 53.2103



27.0937, 18.6918, 0.1963



6.2602, 18.6918, 4.9067



10.8703, 18.6918, 106.1483

Rectangle

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



38.4656, 18.6918, 53.2103



39.4371, 18.6918, 6.4076



6.2602, 18.6918, 4.9067



5.9774, 18.6918, 46.7783

Sweetspot

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



38.4663, 18.6927, 53.2107



74.0861, 60.0305, 95.8746



12.8498, 5.1780, 65.9686



15.3798, 11.9511, 20.1845



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.



38.4663, 18.6927, 53.2107



55.4028, 26.9251, 76.5104



30.3289, 15.4378, 10.3596



13.5545, 13.2509, 16.1813



23.3075, 11.3240, 32.3287



1.5268, 0.7403, 2.1828

Inverse Universe

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



38.4663, 18.6927, 53.2107



55.4028, 26.9251, 76.5104



28.8572, 51.2439, 29.5645



13.5545, 13.2509, 16.1813



23.3075, 11.3240, 32.3287



1.5268, 0.7403, 2.1828

Previews

White Background



This preview shows how the XYZ color 38.4656, 18.6918, 53.2103 looks on a white background.

Color Contrast Check

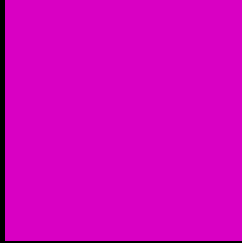
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4656, 18.6918, 53.2103 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 38.4656, 18.6918, 53.2103

Background



This preview shows how black text looks on a background with the XYZ color 38.4656, 18.6918, 53.2103.



This preview shows how white text looks on a background with the XYZ color 38.4656, 18.6918,

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

38.4656, 18.6918, 53.2103

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.8988, 19.4208, 47.4996



Tritanopia

29.5927, 19.0236, 9.8968

Trichromacy



Original Color

38.4656, 18.6918, 53.2103



Protanomaly

19.8161, 12.2170, 75.4424



Deuteranomaly

22.1048, 14.2989, 48.6086



Tritanomaly

31.1895, 17.3034, 20.1084

Monochromacy



Original Color

38.4656, 18.6918, 53.2103



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.9636, 9.3071, 20.7464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4656, 18.6918, 53.2103 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 195) }
```

Border

The CSS property to change the border of an element to XYZ 38.4656, 18.6918, 53.2103 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, 195) }
```


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

```
.border{ border-color:rgb(217, 0, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 195);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4656, 18.6918, 53.2103 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, 195) }
```

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

```
.background{ background-color: rgb(217, 0,  
195) }
```

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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