

Converting Colors

XYZ(38.4808, 18.6893, 53.6777)

Have a look what the booklet for
XYZ(38.4808, 18.6893, 53.6777)
contains.

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Color

**XYZ(38.5791, 18.7372,
53.8079)**

Conversions

Conversions Part 1

Format	Color
Hex	D900C4
RGB	217, 0, 196
RGB Percent	85%, 0%, 77%
CMY	0.1490, 0.9999, 0.2314
CMYK	0.00, 1.00, 0.10, 0.15
HSL	306°, 100%, 43%
HSV	306°, 100%, 85%
XYZ	38.5791, 18.7372, 53.8079
YIQ	87.2270, 66.4160, 106.9600

Conversions

Conversions Part 2

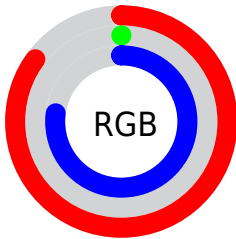
Format	Color
R_{YB}	217, 0, 196
Decimal	14221508
CIE _{Lab}	50.38, 84.09, -43.68
CIE _{LCh}	50, 94.757, 332.553
Yxy	18.7372, 0.3472, 0.1686
Android (android.graphics.Color)	4292411588 (0xFFD900C4)
YUV	87.2270, 53.6251, 113.8109
Hunter-Lab	43.2865, 83.3368, -43.4008

Details

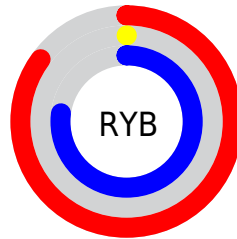
The XYZ color **38.5791, 18.7372, 53.8079** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.9492, 49.6808, 8.9855**, and the grayscale version is **8.9901, 9.4583, 10.3001**.

A 20% lighter version of the original color is **63.0618, 36.5363, 96.6570**, and **18.7871, 9.1211, 26.3615** is the 20% darker color. If you saturate the color by 10%, you get **38.5791, 18.7373, 53.8063**, and if you desaturate by 10%, it is **39.1021, 19.3974, 55.1702**.

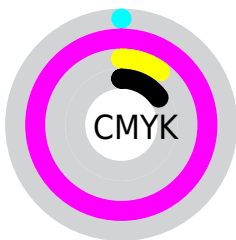
Distribution



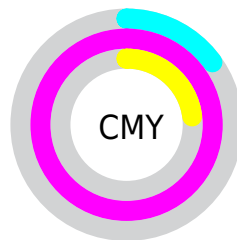
- Red (85%)
- Green (0%)
- Blue (77%)



- Red (85%)
- Yellow (0%)
- Blue (77%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5791, 18.7372, 53.8079 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 38.5791, 18.7372, 53.8079 by changing the saturation by 10% instead.

 38.5791, 18.7372,
53.8079


 38.5791, 18.7372,
53.8079

331.3357,
244.9941, 418.5309

 26.6117, 11.4805,
38.0560


 72.2931, 41.2896,
97.2457


 17.4169, 6.3910,
25.7240


 94.7704, 57.3540,
125.7686

 10.6293, 3.0843,
16.3933


 121.4817, 77.1233,
159.3857

 5.8836, 1.1759,
9.6456

 152.7923,
100.9816, 198.5153

 2.8144, 0.0419,
5.0621

 189.0677,
129.3135, 243.5761

 1.0564, 0.0000,
2.2244

 230.6732,

 0.0000, 0.0000,

162.5032, 294.9866

0.6884

277.9741,
200.9353, 353.1654

■ 0.0000, 0.0000,
0.0000

■ 38.5791, 18.7372,
53.8079

■ 38.5791, 18.7372,
53.8079

■ 38.5791, 18.7373,
53.8063

■ 39.1021, 19.3974,
55.1702

■ 39.9442, 20.6908,
56.6554

■ 41.2099, 22.8263,
58.2984

■ 42.9576, 25.9202,
60.1188

■ 45.2363, 30.0704,
62.1330

■ 48.0887, 35.3630,
64.3552

■ 51.5536, 41.8749,
66.7985

■ 55.6662, 49.6765,
69.4747

■ 60.4589, 58.8330,
72.3946

Harmonies

Analogous

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



29.1276, 18.7372, 99.8605



38.5791, 18.7372, 53.8079



41.9796, 18.7372, 18.2268

Triad

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



38.5791, 18.7372, 53.8079



17.0326, 18.7372, 0.0000



6.6706, 18.7372, 61.6207

Complementary

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



38.5791, 18.7372, 53.8079



24.9492, 49.6808, 8.9855

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.



5.3358, 18.7372, 22.7429



38.5791, 18.7372, 53.8079



9.8841, 18.7372, 0.4886

Square

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



38.5791, 18.7372, 53.8079



27.2735, 18.7372, 0.1936



6.2694, 18.7372, 4.8239



10.8349, 18.7372, 106.5095

Rectangle

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



38.5791, 18.7372, 53.8079



39.6582, 18.7372, 6.4844



6.2694, 18.7372, 4.8239



5.9564, 18.7372, 46.6626

Sweetspot

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



38.5798, 18.7381, 53.8083



74.1406, 60.0524, 96.1619



12.7765, 5.1402, 65.9652



15.3930, 11.9564, 20.2542



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.



38.5798, 18.7381, 53.8083



55.5677, 26.9911, 77.3785



30.4800, 15.4982, 11.1554



13.5572, 13.2520, 16.1955



23.3753, 11.3511, 32.6858



1.5305, 0.7418, 2.2024

Inverse Universe

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



38.5798, 18.7381, 53.8083



55.5677, 26.9911, 77.3785



28.6181, 51.1483, 28.3057



13.5572, 13.2520, 16.1955



23.3753, 11.3511, 32.6858



1.5305, 0.7418, 2.2024

Previews

White Background



This preview shows how the XYZ color 38.5791, 18.7372, 53.8079 looks on a white background.

Color Contrast Check

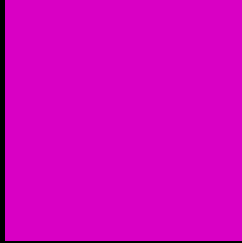
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.5791, 18.7372, 53.8079 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 38.5791, 18.7372, 53.8079

Background



This preview shows how black text looks on a background with the XYZ color 38.5791, 18.7372, 53.8079.



This preview shows how white text looks on a background with the XYZ color 38.5791, 18.7372,

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

38.5791, 18.7372, 53.8079

Protanopia

23.4602, 19.5621, 92.1619

Deuteranopia

19.9027, 19.4107, 48.0451



Tritanopia

29.6305, 19.0388, 10.0958

Trichromacy



Original Color

38.5791, 18.7372, 53.8079



Protanomaly

19.9562, 12.2730, 76.1800



Deuteranomaly

22.0475, 14.2570, 49.1668



Tritanomaly

31.2518, 17.3283, 20.4364

Monochromacy



Original Color

38.5791, 18.7372, 53.8079



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 38.5791, 18.7372, 53.8079 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 196) }
```

Border

The CSS property to change the border of an element to XYZ 38.5791, 18.7372, 53.8079 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, 196) }
```


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

```
.border{ border-color:rgb(217, 0, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 0, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 0, 196); box-shadow:4px 4px 4px 4px rgb(217, 0, 196) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5791, 18.7372, 53.8079 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, 196) }
```

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

```
.background{ background-color: rgb(217, 0,  
196) }
```

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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