

Converting Colors

XYZ(12.7076, 5.2919, 57.4784)

Have a look what the booklet for
XYZ(12.7076, 5.2919, 57.4784)
contains.

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Color

**XYZ(12.7027, 5.2894,
57.4782)**

Conversions

Conversions Part 1

Format	Color
Hex	3B00CC
RGB	59, 0, 204
RGB Percent	23%, 0%, 80%
CMY	0.7686, 1.0000, 0.2000
CMYK	0.71, 1.00, 0.00, 0.20
HSL	257°, 100%, 40%
HSV	257°, 100%, 80%
XYZ	12.7027, 5.2894, 57.4782
YIQ	40.8970, -30.3200, 75.9520

Conversions

Conversions Part 2

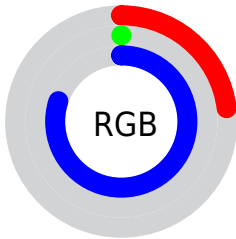
Format	Color
R_{YB}	59, 0, 204
Decimal	3866828
CIE _{Lab}	27.54, 67.95, -86.56
CIE _{LCh}	28, 110.045, 308.130
Yxy	5.2894, 0.1683, 0.0701
Android (android.graphics.Color)	4282056908 (0xFF3B00CC)
YUV	40.8970, 80.4098, 15.8763
Hunter-Lab	22.9987, 58.3419, -132.0781

Details

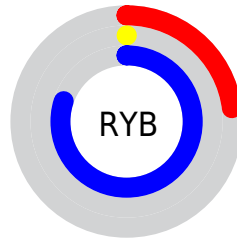
The XYZ color **12.7027, 5.2894, 57.4782** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **33.2684, 49.2048, 7.7441**, and the grayscale version is **2.0297, 2.1354, 2.3254**.

A 20% lighter version of the original color is **29.1104, 15.9014, 96.1427**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **12.7033, 5.2897, 57.4784**, and if you desaturate by 10%, it is **13.9427, 6.3106, 57.6102**.

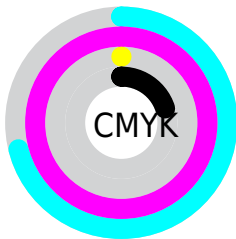
Distribution



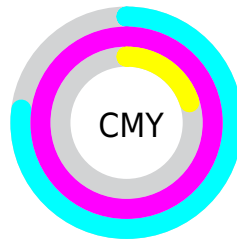
- Red (23%)
- Green (0%)
- Blue (80%)



- Red (23%)
- Yellow (0%)
- Blue (80%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (77%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7027, 5.2894, 57.4782 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 12.7027, 5.2894, 57.4782 by changing the saturation by 10% instead.

■ 12.7027, 5.2894,
57.4782

■ 12.7027, 5.2894,
57.4782

202.6798,
152.5800, 432.7826

■ 7.2997, 2.4180,
40.9774

■ 30.3745, 16.4379,
102.6699

■ 3.6982, 0.8352,
27.9818

■ 43.3741, 25.4839,
132.1978

■ 1.5329, 0.0000,
18.0730

■ 59.6365, 37.3568,
166.9052

■ 0.3480, 0.0000,
10.8325

■ 79.5272, 52.4411,
207.2105

■ 0.0000, 0.0000,
5.8415

■ 103.4115, 71.1212,
253.5324


■ 0.0000, 0.0000,
2.6817

■ 131.6548, 93.7814,


■ 0.0000, 0.0000,

306.2893


0.9342

 164.6225,
120.8062, 365.8999


 0.0000, 0.0000,
0.0000


 12.7027, 5.2894,
57.4782


 12.7027, 5.2894,
57.4782


 12.7033, 5.2897,
57.4784

 13.9427, 6.3106,
57.6102

 15.7104, 8.0068,
57.8444

 18.1157, 10.5730,
58.2130

 21.2233, 14.1164,
58.7331

 25.0890, 18.7281,
59.4195

■ 29.7627, 24.4886,
60.2851

■ 35.2896, 31.4702,
61.3413

■ 41.7116, 39.7394,
62.5990

■ 49.0675, 49.3578,
64.0678

Harmonies

Analogous

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



6.3846, 5.2894, 84.8063



12.7027, 5.2894, 57.4782



18.5092, 5.2894, 21.2815

Triad

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



12.7027, 5.2894, 57.4782



9.0932, 5.2894, 0.0000



0.2389, 5.2894, 10.1346

Complementary

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



12.7027, 5.2894, 57.4782



33.2684, 49.2048, 7.7441

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.



0.4052, 5.2894, 0.4543



12.7027, 5.2894, 57.4782



3.8777, 5.2894, 0.0000

Square

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



12.7027, 5.2894, 57.4782



15.6847, 5.2894, 0.0000



1.3055, 5.2894, 0.0000



0.7851, 5.2894, 39.8187

Rectangle

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



12.7027, 5.2894, 57.4782



20.0566, 5.2894, 6.6258



1.3055, 5.2894, 0.0000



0.2133, 5.2894, 4.9718

Sweetspot

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



12.7033, 5.2897, 57.4784



58.0577, 51.6262, 101.5126



21.2089, 24.9792, 60.8306



11.5572, 9.9461, 21.5606



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.



12.7033, 5.2897, 57.4784



20.8557, 8.6664, 95.1813



25.3564, 11.8127, 58.0706



10.9015, 10.9985, 14.1187



8.0764, 3.3711, 36.1813



0.4928, 0.2131, 1.8701

Inverse Universe

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



30.0121, 14.8815, 28.0749



49.6050, 24.6060, 45.9793



22.6403, 43.7258, 7.2467



11.5438, 11.3463, 13.3984



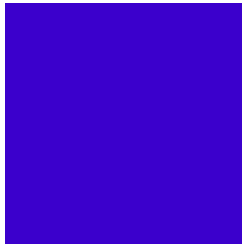
18.9319, 9.3834, 17.8921



1.0086, 0.4968, 1.0910

Previews

White Background



This preview shows how the XYZ color 12.7027, 5.2894, 57.4782 looks on a white background.

Color Contrast Check

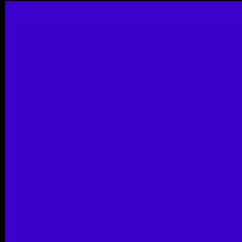
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 12.7027, 5.2894, 57.4782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

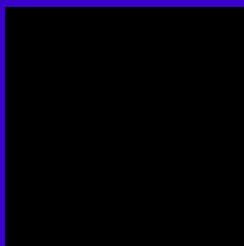
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7027, 5.2894, 57.4782

Background



This preview shows how black text looks on a background with the XYZ color 12.7027, 5.2894, 57.4782.



This preview shows how white text looks on a background with the XYZ color 12.7027, 5.2894,

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

12.7027, 5.2894, 57.4782

Protanopia

6.3342, 5.5582, 24.0315

Deuteranopia

5.2226, 5.4940, 17.0049



Tritanopia

3.8601, 5.4621, 8.2480

Trichromacy



Original Color

12.7027, 5.2894, 57.4782

Protanomaly

7.5352, 4.3185, 34.1546

Deuteranomaly

6.4764, 4.0674, 28.0475

Tritanomaly

4.9639, 3.6477, 19.5112

Monochromacy



Original Color

12.7027, 5.2894, 57.4782

Achromatopsia

2.1076, 2.2174, 2.4147

Achromatomaly

3.8886, 2.2873, 12.2931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7027, 5.2894, 57.4782 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(59, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(59, 0, 204)  
}
```

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(59, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 12.7027, 5.2894, 57.4782 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(59, 0, 204) }
```


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

```
.border{ border-color:rgb(59, 0, 204) }
```

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

Here you see how a box with a 4 pixel rgb(59, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(59, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.7027, 5.2894, 57.4782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 0, 204) }
```

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

```
.background{ background-color: rgb(59, 0,  
204) }
```

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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