

Converting Colors

XYZ(12.6040, 5.2029, 59.0834)

Have a look what the booklet for
XYZ(12.6040, 5.2029, 59.0834)
contains.

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Color

**XYZ(12.6787, 5.2351,
59.3737)**

Conversions

Conversions Part 1

Format	Color
Hex	3400CF
RGB	52, 0, 207
RGB Percent	20%, 0%, 81%
CMY	0.7960, 1.0000, 0.1882
CMYK	0.75, 1.00, 0.00, 0.19
HSL	255°, 100%, 41%
HSV	255°, 100%, 81%
XYZ	12.6787, 5.2351, 59.3737
YIQ	39.1460, -35.4550, 75.4010

Conversions

Conversions Part 2

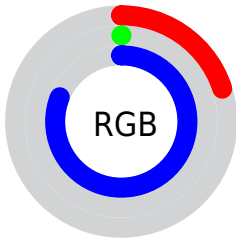
Format	Color
R _{YB}	52, 0, 207
Decimal	3408079
CIE Lab	27.39, 68.43, -88.58
CIE LCh	27, 111.932, 307.688
Yxy	5.2351, 0.1640, 0.0677
Android (android.graphics.Color)	4281598159 (0xFF3400CF)
YUV	39.1460, 82.7520, 11.2730
Hunter-Lab	22.8803, 58.8717, -137.8393

Details

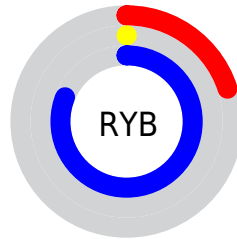
The XYZ color **12.6787, 5.2351, 59.3737** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **35.8282, 51.5932, 8.0701**, and the grayscale version is **1.8742, 1.9718, 2.1473**.

A 20% lighter version of the original color is **28.5146, 15.5943, 96.1149**, and **5.5859, 2.2344, 29.4150** is the 20% darker color. If you saturate the color by 10%, you get **12.6793, 5.2354, 59.3739**, and if you desaturate by 10%, it is **13.8751, 6.2418, 59.5052**.

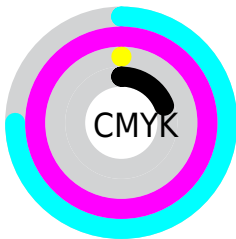
Distribution



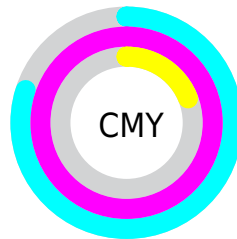
- Red (20%)
- Green (0%)
- Blue (81%)



- Red (20%)
- Yellow (0%)
- Blue (81%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (80%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.6787, 5.2351, 59.3737 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 12.6787, 5.2351, 59.3737 by changing the saturation by 10% instead.

■ 12.6787, 5.2351,
59.3737

■ 12.6787, 5.2351,
59.3737

202.5276,
152.0681, 440.0258

■ 7.2831, 2.3859,
42.4920

■ 30.3316, 16.3221,
105.4551

■ 3.6877, 0.8186,
29.1583

■ 43.3196, 25.3287,
135.4918

■ 1.5270, 0.0000,
18.9540

■ 59.5692, 37.1566,
170.7507

■ 0.3441, 0.0000,
11.4606

■ 79.4457, 52.1900,
211.6503

■ 0.0000, 0.0000,
6.2595

■ 103.3144, 70.8135,
258.6090

■ 0.0000, 0.0000,
2.9322


■ 131.5407, 93.4114,

■ 0.0000, 0.0000,

312.0455

1.0601


 164.4900,
120.3682, 372.3782

 0.0000, 0.0000,
0.0000


 12.6787, 5.2351,
59.3737


 12.6787, 5.2351,
59.3737


 12.6793, 5.2354,
59.3739

 13.8751, 6.2418,
59.5052

 15.6375, 7.9581,
59.7436

 18.0826, 10.5862,
60.1220

 21.2809, 14.2389,
60.6584

 25.2930, 19.0122,
61.3683

■ 30.1732, 24.9907,
62.2651

■ 35.9708, 32.2509,
63.3609

■ 42.7313, 40.8627,
64.6668

■ 50.4970, 50.8910,
66.1931

Harmonies

Analogous

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



6.2690, 5.2351, 87.2198



12.6787, 5.2351, 59.3737



18.6594, 5.2351, 21.9742

Triad

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



12.6787, 5.2351, 59.3737



9.1961, 5.2351, 0.0000



0.1746, 5.2351, 9.8531

Complementary

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



12.6787, 5.2351, 59.3737



35.8282, 51.5932, 8.0701

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.



0.3546, 5.2351, 0.3311



12.6787, 5.2351, 59.3737



3.8739, 5.2351, 0.0000

Square

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



12.6787, 5.2351, 59.3737



15.9211, 5.2351, 0.0000



1.2689, 5.2351, 0.0000



0.7202, 5.2351, 40.0074

Rectangle

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



12.6787, 5.2351, 59.3737



20.3022, 5.2351, 6.7959



1.2689, 5.2351, 0.0000



0.1523, 5.2351, 4.7290

Sweetspot

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



12.6793, 5.2354, 59.3739



57.2855, 51.2281, 101.4765



23.0256, 28.0311, 63.2286



11.3783, 9.8539, 21.5522



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.



12.6793, 5.2354, 59.3739



20.1691, 8.3124, 95.1492



24.8282, 11.4984, 59.9425



11.4381, 11.5591, 14.8719



8.0625, 3.3367, 37.4116



0.5251, 0.2249, 2.0953

Inverse Universe

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



31.6476, 15.6316, 32.3544



50.6360, 25.0184, 51.4086



23.7162, 45.3492, 7.5033



12.1786, 11.9562, 14.2163



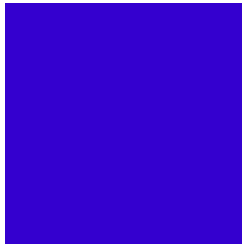
19.9791, 9.8645, 20.5938



1.1479, 0.5639, 1.3137

Previews

White Background



This preview shows how the XYZ color 12.6787, 5.2351, 59.3737 looks on a white background.

Color Contrast Check

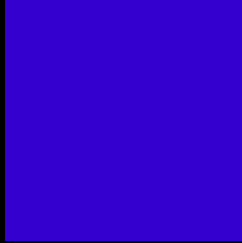
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.6787, 5.2351, 59.3737 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 12.6787, 5.2351, 59.3737

Background



This preview shows how black text looks on a background with the XYZ color 12.6787, 5.2351, 59.3737.



This preview shows how white text looks on a background with the XYZ color 12.6787, 5.2351, 59.3737.

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

12.6787, 5.2351, 59.3737

Protanopia

6.2066, 5.4161, 23.6400

Deuteranopia

5.2226, 5.4940, 17.0049



Tritanopia

3.8239, 5.4476, 8.0577

Trichromacy



Original Color

12.6787, 5.2351, 59.3737

Protanomaly

7.4945, 4.2975, 34.1527

Deuteranomaly

6.5145, 4.0779, 28.4607

Tritanomaly

4.9867, 3.6521, 19.8441

Monochromacy



Original Color

12.6787, 5.2351, 59.3737

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

3.6866, 2.1508, 12.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.6787, 5.2351, 59.3737 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(52, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(52, 0, 207)  
}
```

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(52, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 12.6787, 5.2351, 59.3737 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(52, 0, 207) }
```


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

```
.border{ border-color:rgb(52, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(52, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(52, 0, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.6787, 5.2351, 59.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 0, 207) }
```

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

```
.background{ background-color: rgb(52, 0,  
207) }
```

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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