

Converting Colors

XYZ(12.5307, 5.1587, 59.3725)

Have a look what the booklet for
XYZ(12.5307, 5.1587, 59.3725)
contains.

XYZ(12.5291, 5.1580, 59.3667)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5291, 5.1580,
59.3667)**

Conversions

Conversions Part 1

Format	Color
Hex	3100CF
RGB	49, 0, 207
RGB Percent	19%, 0%, 81%
CMY	0.8078, 1.0000, 0.1882
CMYK	0.76, 1.00, 0.00, 0.19
HSL	254°, 100%, 41%
HSV	254°, 100%, 81%
XYZ	12.5291, 5.1580, 59.3667
YIQ	38.2490, -37.2430, 74.7650

Conversions

Conversions Part 2

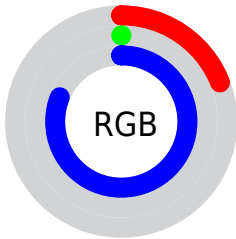
Format	Color
R_{YB}	49, 0, 207
Decimal	3211471
CIE _{Lab}	27.18, 68.34, -88.94
CIE _{LCh}	27, 112.167, 307.540
Yxy	5.1580, 0.1626, 0.0669
Android (android.graphics.Color)	4281401551 (0xFF3100CF)
YUV	38.2490, 83.1942, 9.4286
Hunter-Lab	22.7112, 58.7284, -139.0850

Details

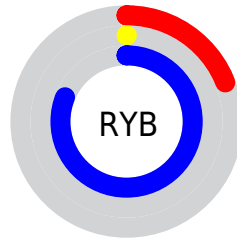
The XYZ color **12.5291, 5.1580, 59.3667** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **36.4112, 51.8938, 8.0974**, and the grayscale version is **1.7979, 1.8915, 2.0598**.

A 20% lighter version of the original color is **28.3693, 15.5194, 96.1081**, and **5.5859, 2.2344, 29.4150** is the 20% darker color. If you saturate the color by 10%, you get **12.5297, 5.1583, 59.3669**, and if you desaturate by 10%, it is **13.6926, 6.1477, 59.4966**.

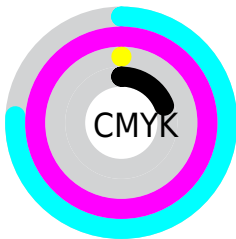
Distribution



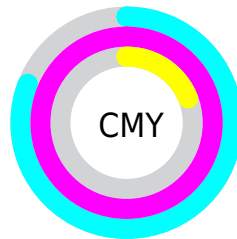
- Red (19%)
- Green (0%)
- Blue (81%)



- Red (19%)
- Yellow (0%)
- Blue (81%)



- Cyan (76%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (81%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5291, 5.1580, 59.3667 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 12.5291, 5.1580, 59.3667 by changing the saturation by 10% instead.

■ 12.5291, 5.1580,
59.3667

■ 12.5291, 5.1580,
59.3667

201.5765,
151.3371, 439.9992

■ 7.1798, 2.3403,
42.4864

■ 30.0637, 16.1573,
105.4448

■ 3.6222, 0.7949,
29.1540

■ 42.9798, 25.1077,
135.4797

■ 1.4907, 0.0000,
18.9507

■ 59.1489, 36.8711,
170.7366

■ 0.3195, 0.0000,
11.4582

■ 78.9363, 51.8320,
211.6339

■ 0.0000, 0.0000,
6.2579

■ 102.7074, 70.3746,
258.5903


■ 0.0000, 0.0000,
2.9312

■ 130.8276, 92.8834,


■ 0.0000, 0.0000,

312.0243


1.0596

 163.6621,
119.7427, 372.3544

 0.0000, 0.0000,
0.0000


 12.5291, 5.1580,
59.3667


 12.5291, 5.1580,
59.3667


 12.5297, 5.1583,
59.3669

 13.6926, 6.1477,
59.4966

 15.4293, 7.8508,
59.7338

 17.8575, 10.4701,
60.1114

 21.0490, 14.1193,
60.6476

 25.0656, 18.8950,
61.3577

■ 29.9628, 24.8823,
62.2552

■ 35.7908, 32.1581,
63.3524

■ 42.5959, 40.7929,
64.6605

■ 50.4213, 50.8520,
66.1896

Harmonies

Analogous

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



6.1599, 5.1580, 87.0818



12.5291, 5.1580, 59.3667



18.5027, 5.1580, 21.9674

Triad

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



12.5291, 5.1580, 59.3667



9.1283, 5.1580, 0.0000



0.1455, 5.1580, 9.6488

Complementary

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



12.5291, 5.1580, 59.3667



36.4112, 51.8938, 8.0974

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.



0.3295, 5.1580, 0.2803



12.5291, 5.1580, 59.3667



3.8290, 5.1580, 0.0000

Square

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



12.5291, 5.1580, 59.3667



15.8242, 5.1580, 0.0000



1.2423, 5.1580, 0.0000



0.6888, 5.1580, 39.6273

Rectangle

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



12.5291, 5.1580, 59.3667



20.1599, 5.1580, 6.7779



1.2423, 5.1580, 0.0000



0.1243, 5.1580, 4.5955

Sweetspot

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



12.5297, 5.1583, 59.3669



56.9948, 51.0783, 101.4629



23.6092, 29.1983, 63.4232



11.3112, 9.8193, 21.5491



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.



12.5297, 5.1583, 59.3669



19.9363, 8.1924, 95.1383



24.1741, 11.1611, 59.9119



11.4220, 11.5509, 14.8712



7.9651, 3.2864, 37.4070



0.5177, 0.2210, 2.0949

Inverse Universe

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



31.9028, 15.7337, 33.6981



51.0478, 25.1831, 53.5772



23.8994, 45.4437, 7.5119



12.1861, 11.9592, 14.2558



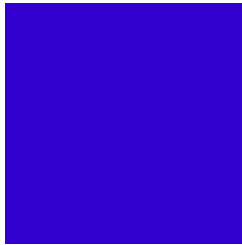
20.1385, 9.9282, 21.4332



1.1557, 0.5670, 1.3545

Previews

White Background



This preview shows how the XYZ color 12.5291, 5.1580, 59.3667 looks on a white background.

Color Contrast Check

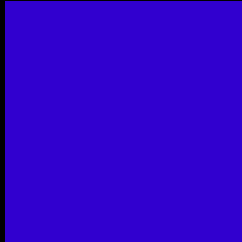
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.5291, 5.1580, 59.3667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

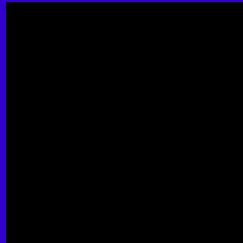
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5291, 5.1580, 59.3667

Background



This preview shows how black text looks on a background with the XYZ color 12.5291, 5.1580, 59.3667.



This preview shows how white text looks on a background with the XYZ color 12.5291, 5.1580,

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

12.5291, 5.1580, 59.3667

Protanopia

6.1365, 5.3880, 23.2708

Deuteranopia

5.1044, 5.3491, 16.6830



Tritanopia

3.7883, 5.4334, 7.8703

Trichromacy



Original Color

12.5291, 5.1580, 59.3667

Protanomaly

7.4754, 4.2877, 34.1518

Deuteranomaly

6.4586, 3.9945, 28.4476

Tritanomaly

4.9041, 3.6169, 19.5084

Monochromacy



Original Color

12.5291, 5.1580, 59.3667

Achromatopsia

1.8423, 1.9382, 2.1107

Achromatomaly

3.5336, 2.0464, 12.0131

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5291, 5.1580, 59.3667 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(49, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(49, 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(49, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 12.5291, 5.1580, 59.3667 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(49, 0, 207) }
```


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

```
.border{ border-color:rgb(49, 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(49, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(49, 0, 207)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5291, 5.1580, 59.3667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 0, 207) }
```

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

```
.background{ background-color: rgb(49, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor