

Converting Colors

XYZ(12.4335, 5.9160, 59.5181)

Have a look what the booklet for
XYZ(12.4335, 5.9160, 59.5181)
contains.

XYZ(12.4335, 5.9160, 59.5181)	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(12.4335, 5.9160,
59.5181)**

Conversions

Conversions Part 1

Format	Color
Hex	2121CF
RGB	33, 33, 207
RGB Percent	13%, 13%, 81%
CMY	0.8705, 0.8706, 0.1882
CMYK	0.84, 0.84, 0.00, 0.19
HSL	240°, 73%, 47%
HSV	240°, 84%, 81%
XYZ	12.4335, 5.9160, 59.5181
YIQ	52.8360, -55.8540, 54.1140

Conversions

Conversions Part 2

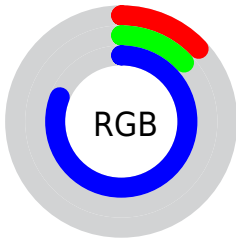
Format	Color
R_{YB}	33, 33, 207
Decimal	2171343
CIE _{Lab}	29.20, 58.99, -85.60
CIE _{LCh}	29, 103.957, 304.574
Yxy	5.9160, 0.1597, 0.0760
Android (android.graphics.Color)	4280361423 (0xFF2121CF)
YUV	52.8360, 76.0029, -17.3962
Hunter-Lab	24.3228, 48.6818, -128.0570

Details

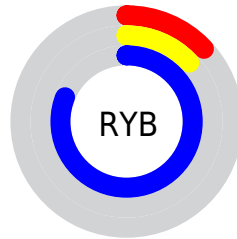
The XYZ color **12.4335, 5.9160, 59.5181** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark muted blue. A complement of this color would be **48.3132, 57.9978, 10.0867**, and the grayscale version is **3.2809, 3.4517, 3.7589**.

A 20% lighter version of the original color is **28.0827, 16.9839, 96.4058**, and **5.5859, 2.2344, 29.4150** is the 20% darker color. If you saturate the color by 10%, you get **11.5537, 4.8556, 59.3600**, and if you desaturate by 10%, it is **14.0736, 7.8914, 59.8132**.

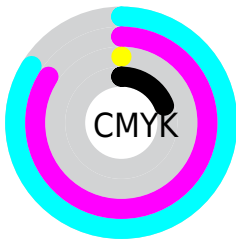
Distribution



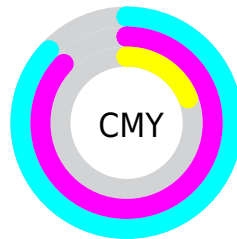
- Red (13%)
- Green (13%)
- Blue (81%)



- Red (13%)
- Yellow (13%)
- Blue (81%)



- Cyan (84%)
- Magenta (84%)
- Yellow (0%)
- Black (19%)



- Cyan (87%)
- Magenta (87%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4335, 5.9160, 59.5181 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 12.4335, 5.9160, 59.5181 by changing the saturation by 10% instead.

■ 12.4335, 5.9160,
59.5181

■ 12.4335, 5.9160,
59.5181

200.9663,
158.3258, 440.5744

■ 7.1139, 2.7941,
42.6076

■ 29.8923, 17.7566,
105.6668

■ 3.5804, 1.0252,
29.2482

■ 42.7622, 27.2440,
135.7421

■ 1.4676, 0.0000,
19.0215

■ 58.8796, 39.6221,
171.0427

■ 0.3036, 0.0000,
11.5088

■ 78.6098, 55.2752,
211.9871

■ 0.0000, 0.0000,
6.2917

■ 102.3182, 74.5878,
258.9940


■ 0.0000, 0.0000,
2.9516

■ 130.3702, 97.9441,


■ 0.0000, 0.0000,


312.4818

1.0700

 163.1311,
125.7287, 372.8691

 0.0000, 0.0000,
0.0000


 12.4335, 5.9160,
59.5181


 12.4335, 5.9160,
59.5181


 11.5537, 4.8556,
59.3600


 14.0736, 7.8914,
59.8132

 11.2629, 4.5052,
59.3077

 16.5936, 10.9277,
60.2664

 20.0939, 15.1452,
60.8960

 24.6610, 20.6482,
61.7175

 30.3719, 27.5295,
62.7447

■ 37.2964, 35.8732,
63.9902

■ 45.4988, 45.7569,
65.4657

■ 55.0389, 57.2525,
67.1817

■ 65.9727, 70.4276,
69.1485

Harmonies

Analogous

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



6.3717, 5.9160, 81.4525



12.4335, 5.9160, 59.5181



18.2990, 5.9160, 25.0590

Triad

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



12.4335, 5.9160, 59.5181



10.4406, 5.9160, 0.0000



0.5428, 5.9160, 8.7235

Complementary

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



12.4335, 5.9160, 59.5181



48.3132, 57.9978, 10.0867

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.



0.7805, 5.9160, 0.3992



12.4335, 5.9160, 59.5181



4.9353, 5.9160, 0.0000

Square

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



12.4335, 5.9160, 59.5181



16.7677, 5.9160, 0.0000



1.9057, 5.9160, 0.0000



0.9909, 5.9160, 34.9375

Rectangle

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



12.4335, 5.9160, 59.5181



20.1865, 5.9160, 9.1998



1.9057, 5.9160, 0.0000



0.5461, 5.9160, 4.2983

Sweetspot

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



12.4340, 5.9160, 59.5183



58.2863, 55.7006, 102.2870



34.2025, 49.4541, 66.7747



11.6010, 10.8683, 21.7363



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.



12.4340, 5.9160, 59.5183



18.0504, 7.2202, 95.0500



19.5516, 9.5853, 59.8514



11.1639, 11.4178, 14.8591



7.0962, 2.8385, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



37.5357, 18.8567, 60.6784



59.2846, 28.4778, 96.9514



30.3327, 48.7285, 9.2453



12.3108, 12.0091, 14.9124



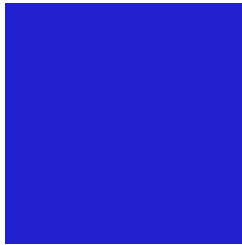
23.3062, 11.1953, 38.1141



1.3032, 0.6260, 2.1312

Previews

White Background



This preview shows how the XYZ color 12.4335, 5.9160, 59.5181 looks on a white background.

Color Contrast Check

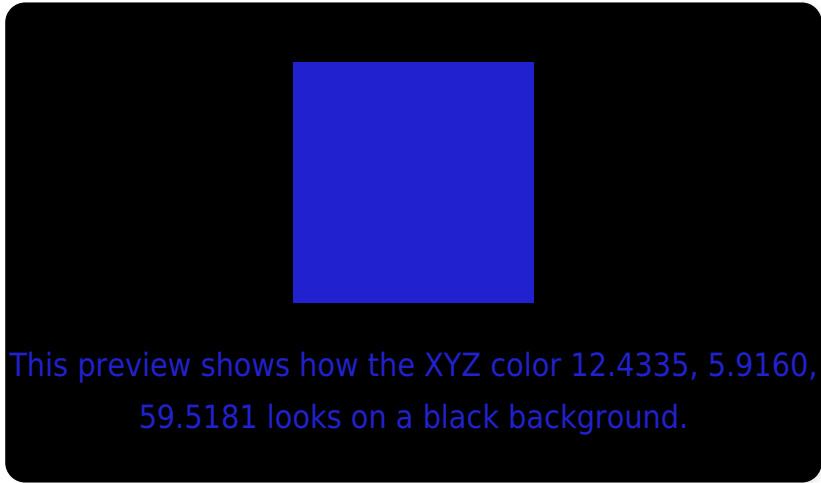
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 12.4335, 5.9160, 59.5181

Background



This preview shows how black text looks on a background with the XYZ color 12.4335, 5.9160, 59.5181.



This preview shows how white text looks on a background with the XYZ color 12.4335, 5.9160,

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

12.4335, 5.9160, 59.5181

Protanopia

6.6084, 5.7605, 25.1897

Deuteranopia

5.5233, 5.8145, 17.9707



Tritanopia

4.0324, 5.7481, 8.4864

Trichromacy



Original Color

12.4335, 5.9160, 59.5181

Protanomaly

8.1716, 5.3968, 35.7330

Deuteranomaly

7.1198, 5.2064, 29.4838

Tritanomaly

5.5334, 4.8162, 20.3766

Monochromacy



Original Color

12.4335, 5.9160, 59.5181

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

4.8640, 3.6390, 14.9140

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4335, 5.9160, 59.5181 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(33, 33, 207)` looks like.

```
.text, #text, p{  
    color:rgb(33, 33, 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(33, 33, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 33, 207) }
```

Border

The CSS property to change the border of an element to XYZ 12.4335, 5.9160, 59.5181 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(33, 33, 207) }
```


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

```
.border{ border-color:rgb(33, 33, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 33, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 33, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 33, 207);  
box-shadow:4px 4px 4px 4px rgb(33, 33,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4335, 5.9160, 59.5181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 33, 207) }
```

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

```
.background{ background-color: rgb(33, 33,  
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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