

Converting Colors

XYZ(12.0210, 5.6085, 60.8355)

Have a look what the booklet for
XYZ(12.0210, 5.6085, 60.8355)
contains.

XYZ(11.9986, 5.5834, 60.7669)	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(11.9986, 5.5834,
60.7669)**

Conversions

Conversions Part 1

Format	Color
Hex	001FD1
RGB	0, 31, 209
RGB Percent	0%, 12%, 82%
CMY	0.9998, 0.8785, 0.1804
CMYK	1.00, 0.85, 0.00, 0.18
HSL	231°, 100%, 41%
HSV	231°, 100%, 82%
XYZ	11.9986, 5.5834, 60.7669
YIQ	42.0230, -75.6140, 48.7860

Conversions

Conversions Part 2

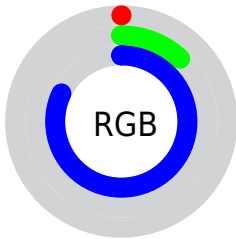
Format	Color
RYB	0, 27, 209
Decimal	8145
CIELab	28.34, 59.72, -88.22
CIElCh	28, 106.534, 304.095
Yxy	5.5834, 0.1531, 0.0713
Android (android.graphics.Color)	4278198225 (0xFF001FD1)
YUV	42.0230, 82.3197, -36.8542
Hunter-Lab	23.6292, 49.2888, -135.9347

Details

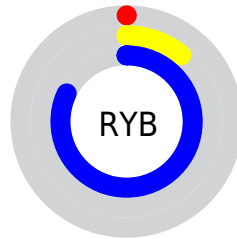
The XYZ color **11.9986, 5.5834, 60.7669** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **42.2264, 45.4185, 6.5425**, and the grayscale version is **2.1345, 2.2456, 2.4455**.

A 20% lighter version of the original color is **26.9363, 16.1690, 96.3090**, and **5.7498, 2.2999, 30.2779** is the 20% darker color. If you saturate the color by 10%, you get **11.9974, 5.5809, 60.7667**, and if you desaturate by 10%, it is **12.9067, 6.9421, 60.9815**.

Distribution



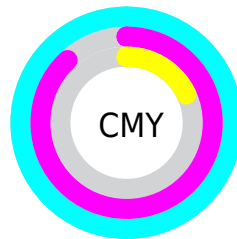
- Red (0%)
- Green (12%)
- Blue (82%)



- Red (0%)
- Yellow (11%)
- Blue (82%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (88%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.9986, 5.5834, 60.7669 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 11.9986, 5.5834, 60.7669 by changing the saturation by 10% instead.

■ 11.9986, 5.5834,
60.7669

■ 11.9986, 5.5834,
60.7669

198.1661,
155.3118, 445.3017

■ 6.8149, 2.5935,
43.6077

■ 29.1094, 17.0604,
107.4956

■ 3.3919, 0.9234,
30.0273

■ 41.7673, 26.3163,
137.9022

■ 1.3642, 0.0000,
19.6071

■ 57.6473, 38.4297,
173.5617

■ 0.2305, 0.0000,
11.9285

■ 77.1147, 53.7848,
214.8927

■ 0.0000, 0.0000,
6.5731

■ 100.5349, 72.7662,
262.3136


■ 0.0000, 0.0000,
3.1222


■ 128.2734, 95.7583,


■ 0.0000, 0.0000,

316.2431

1.1574

 160.6953,
123.1453, 377.0996

 0.0000, 0.0000,
0.0000


 11.9986, 5.5834,
60.7669


 11.9986, 5.5834,
60.7669


 11.9974, 5.5809,
60.7667

 12.9067, 6.9421,
60.9815

 14.4410, 9.0598,
61.3094

 16.7447, 12.0561,
61.7664

 19.9058, 16.0168,
62.3642

 24.0001, 21.0167,
63.1135

■ 29.0949, 27.1234,
64.0237

■ 35.2509, 34.3986,
65.1035

■ 42.5243, 42.8993,
66.3609

■ 50.9670, 52.6789,
67.8036

Harmonies

Analogous

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



5.9661, 5.5834, 83.0070



11.9986, 5.5834, 60.7669



17.9627, 5.5834, 25.3178

Triad

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



11.9986, 5.5834, 60.7669



10.2053, 5.5834, 0.0000



0.3876, 5.5834, 8.0809

Complementary

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



11.9986, 5.5834, 60.7669



42.2264, 45.4185, 6.5425

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.



0.6422, 5.5834, 0.1616



11.9986, 5.5834, 60.7669



4.6980, 5.5834, 0.0000

Square

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



11.9986, 5.5834, 60.7669



16.5716, 5.5834, 0.0000



1.7245, 5.5834, 0.0000



0.8279, 5.5834, 34.3578

Rectangle

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



11.9986, 5.5834, 60.7669



19.9351, 5.5834, 9.0874



1.7245, 5.5834, 0.0000



0.3947, 5.5834, 3.8213

Sweetspot

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



11.9991, 5.5834, 60.7671



54.9015, 53.4972, 102.0401



30.8027, 48.8020, 49.7357



10.8309, 10.3662, 21.6800



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.



11.9991, 5.5834, 60.7671



18.7356, 8.5912, 95.2785



14.2707, 6.0281, 60.7332



11.3030, 11.6962, 14.9055



7.4419, 3.5304, 37.4817



0.4623, 0.2899, 2.1112

Inverse Universe

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



26.5424, 13.6553, 2.5327



41.5861, 21.3984, 3.7523



32.9326, 50.8243, 8.0758



11.8791, 11.8364, 12.6390



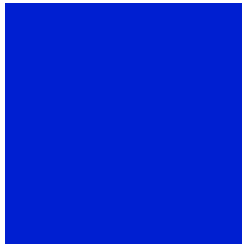
16.3870, 8.4277, 1.6784



0.9396, 0.4806, 0.2167

Previews

White Background



This preview shows how the XYZ color 11.9986, 5.5834, 60.7669 looks on a white background.

Color Contrast Check

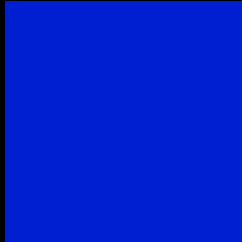
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.9986, 5.5834, 60.7669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

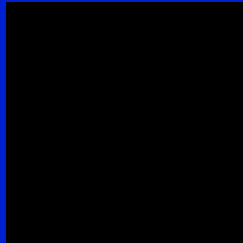
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.9986, 5.5834, 60.7669

Background



This preview shows how black text looks on a background with the XYZ color 11.9986, 5.5834, 60.7669.



This preview shows how white text looks on a background with the XYZ color 11.9986, 5.5834,

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

11.9986, 5.5834, 60.7669

Protanopia

6.3342, 5.5582, 24.0315

Deuteranopia

5.2805, 5.5172, 17.3096



Tritanopia

3.8912, 5.5822, 8.0801

Trichromacy



Original Color

11.9986, 5.5834, 60.7669

Protanomaly

7.8840, 5.1905, 35.2367

Deuteranomaly

6.8712, 4.9344, 29.4444

Tritanomaly

5.3299, 4.6343, 20.3523

Monochromacy



Original Color

11.9986, 5.5834, 60.7669

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.5933, 2.5985, 13.1441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9986, 5.5834, 60.7669 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(0, 31, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 31, 209)  
}
```

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(0, 31, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 31, 209) }
```

Border

The CSS property to change the border of an element to XYZ 11.9986, 5.5834, 60.7669 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(0, 31, 209) }
```


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

```
.border{ border-color:rgb(0, 31, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 31, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 31, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 31, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 31, 209)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.9986, 5.5834, 60.7669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 31, 209) }
```

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

```
.background{ background-color: rgb(0, 31,  
209) }
```

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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