

Converting Colors

XYZ(11.4135, 5.6116, 56.8776)

Have a look what the booklet for
XYZ(11.4135, 5.6116, 56.8776)
contains.

XYZ(11.4411, 5.6349, 56.9846)	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(11.4411, 5.6349,
56.9846)**

Conversions

Conversions Part 1

Format	Color
Hex	0025CB
RGB	0, 37, 203
RGB Percent	0%, 15%, 80%
CMY	0.9998, 0.8549, 0.2039
CMYK	1.00, 0.82, 0.00, 0.20
HSL	229°, 100%, 40%
HSV	229°, 100%, 80%
XYZ	11.4411, 5.6349, 56.9846
YIQ	44.8610, -75.3380, 43.7820

Conversions

Conversions Part 2

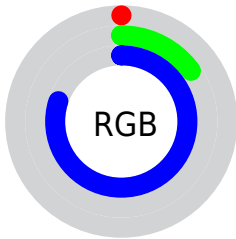
Format	Color
RYB	0, 31, 203
Decimal	9675
CIELab	28.47, 55.19, -84.50
CIELCh	28, 100.924, 303.149
Yxy	5.6349, 0.1545, 0.0761
Android (android.graphics.Color)	4278199755 (0xFF0025CB)
YUV	44.8610, 77.9625, -39.3431
Hunter-Lab	23.7379, 44.4912, -125.7132

Details

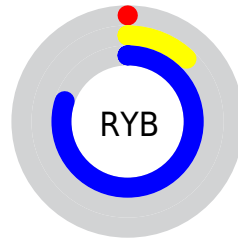
The XYZ color **11.4411, 5.6349, 56.9846** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **38.2756, 39.9898, 5.7029**, and the grayscale version is **2.4111, 2.5366, 2.7624**.

A 20% lighter version of the original color is **27.0867, 16.8186, 96.4264**, and **5.2665, 2.1066, 27.7328** is the 20% darker color. If you saturate the color by 10%, you get **11.4396, 5.6320, 56.9843**, and if you desaturate by 10%, it is **12.3758, 7.0654, 57.2117**.

Distribution



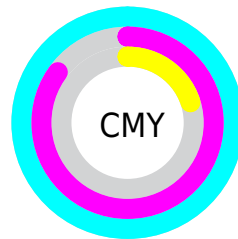
- Red (0%)
- Green (15%)
- Blue (80%)



- Red (0%)
- Yellow (12%)
- Blue (80%)



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (85%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4411, 5.6349, 56.9846 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 11.4411, 5.6349, 56.9846 by changing the saturation by 10% instead.

■ 11.4411, 5.6349,
56.9846

■ 11.4411, 5.6349,
56.9846

194.5157,
155.7836, 430.8837

■ 6.4338, 2.6244,
40.5836

■ 28.0988, 17.1688,
101.9428

■ 3.1538, 0.9389,
27.6766

■ 40.4799, 26.4609,
131.3371

■ 1.2356, 0.0000,
17.8451

■ 56.0496, 38.6157,
165.8996

■ 0.1342, 0.0000,
10.6706

■ 75.1734, 54.0176,
206.0488

■ 0.0000, 0.0000,
5.7344

■ 98.2166, 73.0509,
252.2033


■ 0.0000, 0.0000,
2.6181

■ 125.5444, 96.1001,

■ 0.0000, 0.0000,

304.7816

0.9018

 157.5223,
123.5495, 364.2022


 0.0000, 0.0000,
0.0000


 11.4411, 5.6349,
56.9846


 11.4411, 5.6349,
56.9846


 11.4396, 5.6320,
56.9843

 12.3758, 7.0654,
57.2117

 13.8831, 9.1819,
57.5408

 16.0937, 12.0878,
57.9851

 19.0859, 15.8552,
58.5546

 22.9269, 20.5477,
59.2579

■ 27.6766, 26.2228,
60.1030

■ 33.3893, 32.9330,
61.0971

■ 40.1150, 40.7272,
62.2470

■ 47.9000, 49.6509,
63.5592

Harmonies

Analogous

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



5.8341, 5.6349, 76.0461



11.4411, 5.6349, 56.9846



17.0035, 5.6349, 24.8729

Triad

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



11.4411, 5.6349, 56.9846



10.1573, 5.6349, 0.0000



0.5359, 5.6349, 7.5649

Complementary

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



11.4411, 5.6349, 56.9846



38.2756, 39.9898, 5.7029

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.



0.7978, 5.6349, 0.2451



11.4411, 5.6349, 56.9846



4.9044, 5.6349, 0.0000

Square

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



11.4411, 5.6349, 56.9846



16.0193, 5.6349, 0.0000



1.9340, 5.6349, 0.0000



0.9365, 5.6349, 31.2059

Rectangle

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



11.4411, 5.6349, 56.9846



18.9103, 5.6349, 9.5030



1.9340, 5.6349, 0.0000



0.5498, 5.6349, 3.6755

Sweetspot

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



11.4416, 5.6349, 56.9848



55.4683, 54.6307, 102.2290



28.2206, 45.4580, 43.2638



10.9608, 10.6261, 21.7233



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.



11.4416, 5.6349, 56.9848



19.0434, 9.2068, 95.3811



12.9152, 5.4136, 56.8644



10.7642, 11.1688, 14.1588



7.3287, 3.6813, 36.2806



0.4295, 0.2927, 1.8888

Inverse Universe

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



24.9631, 12.8312, 2.9108



41.7414, 21.4606, 4.5705



31.9593, 48.1782, 7.6164



11.2943, 11.2465, 12.0846



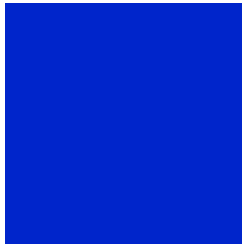
15.9101, 8.1746, 1.9791



0.8467, 0.4321, 0.2387

Previews

White Background



This preview shows how the XYZ color 11.4411, 5.6349, 56.9846 looks on a white background.

Color Contrast Check

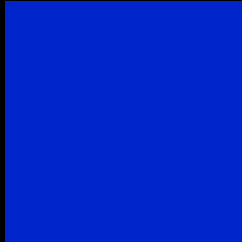
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4411, 5.6349, 56.9846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

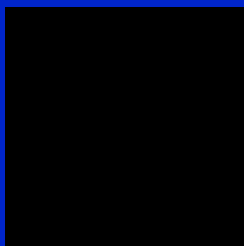
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4411, 5.6349, 56.9846

Background



This preview shows how black text looks on a background with the XYZ color 11.4411, 5.6349, 56.9846.



This preview shows how white text looks on a background with the XYZ color 11.4411, 5.6349,

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

11.4411, 5.6349, 56.9846

Protanopia

6.4057, 5.5867, 24.4076

Deuteranopia

5.3425, 5.6413, 17.3303



Tritanopia

3.9274, 5.5967, 8.2704

Trichromacy



Original Color

11.4411, 5.6349, 56.9846

Protanomaly

7.7992, 5.3056, 34.3312

Deuteranomaly

6.8584, 5.1642, 28.6523

Tritanomaly

5.3068, 4.7927, 19.7142

Monochromacy



Original Color

11.4411, 5.6349, 56.9846

Achromatopsia

2.4942, 2.6241, 2.8577

Achromatomaly

3.7329, 2.8764, 12.9288

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4411, 5.6349, 56.9846 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, 37, 203)` looks like.

```
.text, #text, p{  
    color:rgb(0, 37, 203)  
}
```

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, 37, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 37, 203) }
```

Border

The CSS property to change the border of an element to XYZ 11.4411, 5.6349, 56.9846 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, 37, 203) }
```


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

```
.border{ border-color:rgb(0, 37, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 37, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 37, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 37, 203);  
box-shadow:4px 4px 4px 4px rgb(0, 37, 203)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.4411, 5.6349, 56.9846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 37, 203) }
```

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

```
.background{ background-color: rgb(0, 37,  
203) }
```

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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