

Converting Colors

XYZ(11.4815, 4.6599, 57.4210)

Have a look what the booklet for
XYZ(11.4815, 4.6599, 57.4210)
contains.

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Color

**XYZ(11.4947, 4.6667,
57.4217)**

Conversions

Conversions Part 1

Format	Color
Hex	2000CC
RGB	32, 0, 204
RGB Percent	13%, 0%, 80%
CMY	0.8744, 1.0000, 0.2000
CMYK	0.84, 1.00, 0.00, 0.20
HSL	249°, 100%, 40%
HSV	249°, 100%, 80%
XYZ	11.4947, 4.6667, 57.4217
YIQ	32.8240, -46.4120, 70.2280

Conversions

Conversions Part 2

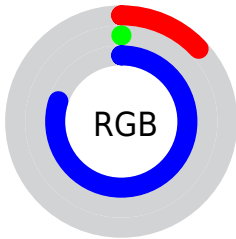
Format	Color
RYB	32, 0, 204
Decimal	2097356
CIELab	25.76, 67.25, -89.58
CIELCh	26, 112.012, 306.895
Yxy	4.6667, 0.1562, 0.0634
Android (android.graphics.Color)	4280287436 (0xFF2000CC)
YUV	32.8240, 84.3898, -0.7226
Hunter-Lab	21.6025, 57.1753, -142.4769

Details

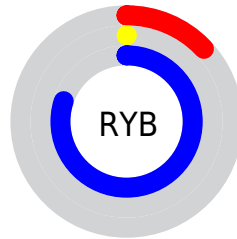
The XYZ color **11.4947, 4.6667, 57.4217** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **38.6027, 51.9548, 7.9937**, and the grayscale version is **1.3761, 1.4478, 1.5766**.

A 20% lighter version of the original color is **27.0105, 14.6454, 96.0110**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **11.4953, 4.6670, 57.4219**, and if you desaturate by 10%, it is **12.4334, 5.5325, 57.5395**.

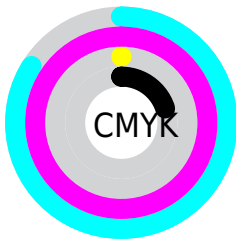
Distribution



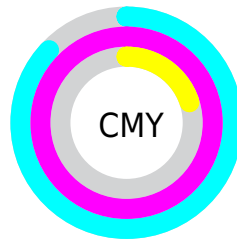
- Red (13%)
- Green (0%)
- Blue (80%)



- Red (13%)
- Yellow (0%)
- Blue (80%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (87%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4947, 4.6667, 57.4217 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 11.4947, 4.6667, 57.4217 by changing the saturation by 10% instead.

■ 11.4947, 4.6667,
57.4217

■ 11.4947, 4.6667,
57.4217

194.8698,
146.5579, 432.5655

■ 6.4703, 2.0531,
40.9323

■ 28.1963, 15.0944,
102.5867

■ 3.1765, 0.6380,
27.9469

■ 40.6043, 23.6773,
132.0993

■ 1.2478, 0.0000,
18.0469

■ 56.2042, 35.0188,
166.7901

■ 0.1436, 0.0000,
10.8139

■ 75.3613, 49.5032,
207.0777

■ 0.0000, 0.0000,
5.8292

■ 98.4411, 67.5149,
253.3804

■ 0.0000, 0.0000,
2.6744

■ 125.8089, 89.4383,

■ 0.0000, 0.0000,

306.1169

0.9305

 157.8300,
115.6578, 365.7058

 0.0000, 0.0000,
0.0000


 11.4947, 4.6667,
57.4217


 11.4947, 4.6667,
57.4217


 11.4953, 4.6670,
57.4219

 12.4334, 5.5325,
57.5395

 13.9599, 7.1044,
57.7625

 16.2001, 9.5855,
58.1233

 19.2319, 13.0898,
58.6399

 23.1229, 17.7146,
59.3275

■ 27.9329, 23.5453,
60.1994

■ 33.7165, 30.6592,
61.2677

■ 40.5239, 39.1272,
62.5434

■ 48.4018, 49.0147,
64.0367

Harmonies

Analogous

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



5.5058, 4.6667, 83.6952



11.4947, 4.6667, 57.4217



17.2417, 4.6667, 21.2226

Triad

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



11.4947, 4.6667, 57.4217



8.5426, 4.6667, 0.0000



0.0000, 4.6667, 8.4930

Complementary

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



11.4947, 4.6667, 57.4217



38.6027, 51.9548, 7.9937

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.



0.1958, 4.6667, 0.0325



11.4947, 4.6667, 57.4217



3.5139, 4.6667, 0.0000

Square

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



11.4947, 4.6667, 57.4217



14.8990, 4.6667, 0.0000



1.0904, 4.6667, 0.0000



0.5241, 4.6667, 36.7522

Rectangle

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



11.4947, 4.6667, 57.4217



18.9043, 4.6667, 6.4767



1.0904, 4.6667, 0.0000



0.0000, 4.6667, 3.9022

Sweetspot

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



11.4953, 4.6670, 57.4219



55.4319, 50.2726, 101.3897



25.9196, 34.4006, 62.4008



10.9517, 9.6340, 21.5323



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.



11.4953, 4.6670, 57.4219



18.9259, 7.6715, 95.0910



20.5090, 9.3137, 57.8438



10.7630, 10.9271, 14.1122



7.2864, 2.9638, 36.1443



0.4290, 0.1803, 1.8671

Inverse Universe

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



32.3468, 15.8154, 40.3695



53.5031, 26.1653, 66.5068



24.2209, 44.5407, 7.3206



11.6090, 11.3723, 13.7414



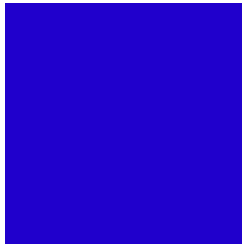
20.3878, 9.9657, 25.5583



1.0727, 0.5225, 1.4285

Previews

White Background



This preview shows how the XYZ color 11.4947, 4.6667, 57.4217 looks on a white background.

Color Contrast Check

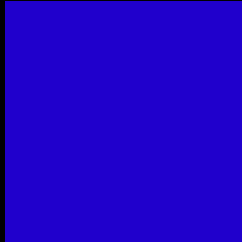
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.4947, 4.6667, 57.4217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

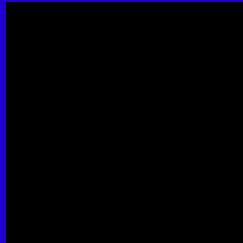
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.4947, 4.6667, 57.4217

Background



This preview shows how black text looks on a background with the XYZ color 11.4947, 4.6667, 57.4217.



This preview shows how white text looks on a background with the XYZ color 11.4947, 4.6667,

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

11.4947, 4.6667, 57.4217

Protanopia

5.5650, 4.8960, 21.0738

Deuteranopia

4.5971, 4.8633, 14.8838



Tritanopia

3.3928, 4.8614, 7.0628

Trichromacy



Original Color

11.4947, 4.6667, 57.4217

Protanomaly

6.8779, 3.9295, 31.8485

Deuteranomaly

5.9025, 3.6472, 26.3795

Tritanomaly

4.5412, 3.3354, 18.4936

Monochromacy



Original Color

11.4947, 4.6667, 57.4217

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

2.9609, 1.6859, 10.9958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4947, 4.6667, 57.4217 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(32, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(32, 0, 204)  
}
```

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(32, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 11.4947, 4.6667, 57.4217 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(32, 0, 204) }
```


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

```
.border{ border-color:rgb(32, 0, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 0, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(32, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.4947, 4.6667, 57.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 0, 204) }
```

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

```
.background{ background-color: rgb(32, 0,  
204) }
```

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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