

Converting Colors

XYZ(10.9010, 4.3615, 57.3965)

Have a look what the booklet for
XYZ(10.9010, 4.3615, 57.3965)
contains.

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Color

**XYZ(10.8991, 4.3596,
57.3938)**

Conversions

Conversions Part 1	
Format	Color
Hex	0000CC
RGB	0, 0, 204
RGB Percent	0%, 0%, 80%
CMY	0.9998, 1.0000, 0.2000
CMYK	1.00, 1.00, 0.00, 0.20
HSL	240°, 100%, 40%
HSV	240°, 100%, 80%
XYZ	10.8991, 4.3596, 57.3938
YIQ	23.2560, -65.4840, 63.4440

Conversions

Conversions Part 2

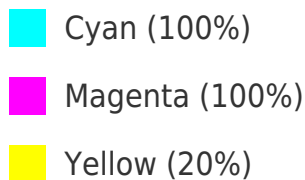
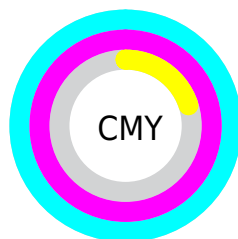
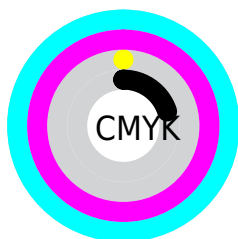
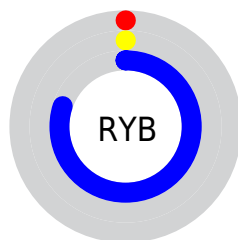
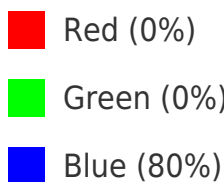
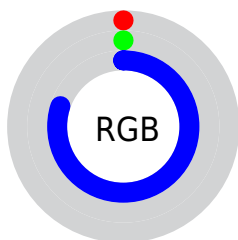
Format	Color
RYB	0, 0, 204
Decimal	204
CIELab	24.83, 66.94, -91.17
CIELCh	25, 113.105, 306.287
Yxy	4.3596, 0.1500, 0.0600
Android (android.graphics.Color)	4278190284 (0xFF0000CC)
YUV	23.2560, 89.1068, -20.3955
Hunter-Lab	20.8797, 56.6369, -148.3600

Details

The XYZ color **10.8991, 4.3596, 57.3938** 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 **46.4814, 56.0163, 8.3624**, and the grayscale version is **0.7859, 0.8268, 0.9004**.

A 20% lighter version of the original color is **25.7714, 13.8392, 95.9207**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **10.8997, 4.3600, 57.3940**, and if you desaturate by 10%, it is **11.4540, 5.0276, 57.4937**.


Distribution



Brightness & Saturation Gradients


These gradients show how the XYZ color 10.8991, 4.3596, 57.3938 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 10.8991, 4.3596, 57.3938 by changing the saturation by 10% instead.


 10.8991, 4.3596,
57.3938


 10.8991, 4.3596,
57.3938


190.8966,
143.4536, 432.4583


 6.0658, 1.8767,
40.9100


 27.1080, 14.4179,
102.5456

 2.9262, 0.5343,
27.9296


 39.2144, 22.7620,
132.0507


 1.1148, 0.0000,
18.0340


 54.4759, 33.8286,
166.7333

 0.0375, 0.0000,
10.8047

 73.2577, 48.0022,
207.0120

 0.0000, 0.0000,
5.8232

 95.9254, 65.6671,
253.3053


 0.0000, 0.0000,
2.6708


 122.8442, 87.2077,

 0.0000, 0.0000,

306.0318

0.9287

 154.3795,
113.0084, 365.6099


 0.0000, 0.0000,
0.0000


 10.8991, 4.3596,
57.3938


 10.8991, 4.3596,
57.3938


 10.8997, 4.3600,
57.3940

 11.4540, 5.0276,
57.4937

 12.5932, 6.3999,
57.6985

 14.5175, 8.7181,
58.0446

 17.3339, 12.1114,
58.5511

 21.1328, 16.6887,
59.2344

■ 25.9935, 22.5455,
60.1087

■ 31.9873, 29.7678,
61.1868

■ 39.1792, 38.4340,
62.4805

■ 47.6294, 48.6165,
64.0005

Harmonies

Analogous

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



5.0817, 4.3596, 83.1576



10.8991, 4.3596, 57.3938



16.6081, 4.3596, 21.1759

Triad

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



10.8991, 4.3596, 57.3938



8.2588, 4.3596, 0.0000



0.0000, 4.3596, 7.7196

Complementary

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



10.8991, 4.3596, 57.3938



46.4814, 56.0163, 8.3624

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.



0.0843, 4.3596, 0.0000



10.8991, 4.3596, 57.3938



3.3288, 4.3596, 0.0000

Square

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



10.8991, 4.3596, 57.3938



14.4966, 4.3596, 0.0000



0.9857, 4.3596, 0.0000



0.3867, 4.3596, 35.2502

Rectangle

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



10.8991, 4.3596, 57.3938



18.3237, 4.3596, 6.3880



0.9857, 4.3596, 0.0000



0.0000, 4.3596, 3.4140

Sweetspot

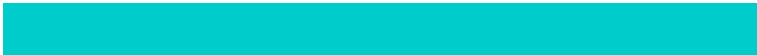
The Sweet Spot groups the original color and five complimentary colors.



10.8997, 4.3600, 57.3940



52.5494, 48.7866, 101.2548



32.4921, 47.5455, 64.5917



10.2966, 9.2963, 21.5016



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.



10.8997, 4.3600, 57.3940



18.0508, 7.2204, 95.0500



16.3786, 7.1844, 57.6504



10.6020, 10.8441, 14.1047



6.8605, 2.7443, 36.1244



0.3540, 0.1416, 1.8636

Inverse Universe

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



35.7951, 17.1947, 58.5282



59.2801, 28.4760, 96.9277



27.0725, 46.0107, 7.4541



11.6875, 11.4037, 14.1549



22.5299, 10.8225, 36.8385



1.1623, 0.5583, 1.9007

Previews

White Background



This preview shows how the XYZ color 10.8991, 4.3596, 57.3938 looks on a white background.

Color Contrast Check

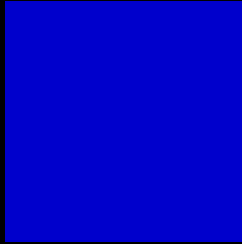
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.8991, 4.3596, 57.3938 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

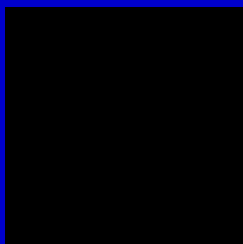
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8991, 4.3596, 57.3938

Background



This preview shows how black text looks on a background with the XYZ color 10.8991, 4.3596, 57.3938.



This preview shows how white text looks on a background with the XYZ color 10.8991, 4.3596,

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

10.8991, 4.3596, 57.3938

Protanopia

5.3175, 4.7124, 20.0314

Deuteranopia

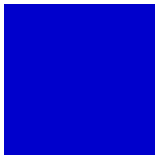



4.4349, 4.7074, 14.3105




Tritanopia

3.2978, 4.7241, 6.8689

Trichromacy

	Original Color 10.8991, 4.3596, 57.3938
	Protanomaly 6.5258, 3.7193, 30.9458
	Deuteranomaly 5.6754, 3.5389, 25.9751
	Tritanomaly 4.2908, 3.1574, 18.1526

Monochromacy

	Original Color 10.8991, 4.3596, 57.3938
	Achromatopsia 0.8144, 0.8568, 0.9331
	Achromatomaly 2.1710, 1.1645, 9.5615

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8991, 4.3596, 57.3938 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, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 0, 204) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 10.8991, 4.3596, 57.3938 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, 0, 204) }
```


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

```
.border{ border-color:rgb(0, 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(0, 0, 204)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 10.8991, 4.3596, 57.3938 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

```
.background{ background-color: rgb(0, 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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