

Converting Colors

XYZ(10.9936, 4.5487, 57.4253)

Have a look what the booklet for
XYZ(10.9936, 4.5487, 57.4253)
contains.

XYZ(10.9968, 4.5550, 57.4264)	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(10.9968, 4.5550,
57.4264)**

Conversions

Conversions Part 1

Format	Color
Hex	0009CC
RGB	0, 9, 204
RGB Percent	0%, 4%, 80%
CMY	0.9998, 0.9648, 0.2000
CMYK	1.00, 0.96, 0.00, 0.20
HSL	237°, 100%, 40%
HSV	237°, 100%, 80%
XYZ	10.9968, 4.5550, 57.4264
YIQ	28.5390, -67.9590, 58.7370

Conversions

Conversions Part 2

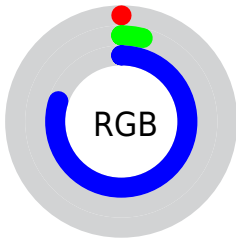
Format	Color
RYB	0, 9, 204
Decimal	2508
CIELab	25.43, 65.07, -90.16
CIELCh	25, 111.193, 305.819
Yxy	4.5550, 0.1507, 0.0624
Android (android.graphics.Color)	4278192588 (0xFF0009CC)
YUV	28.5390, 86.5023, -25.0287
Hunter-Lab	21.3424, 54.6237, -144.5927

Details

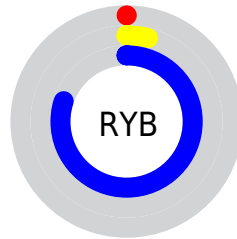
The XYZ color **10.9968, 4.5550, 57.4264** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **44.4321, 51.8973, 7.6768**, and the grayscale version is **1.0884, 1.1450, 1.2469**.

A 20% lighter version of the original color is **26.0010, 14.2985, 95.9972**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **10.9961, 4.5537, 57.4264**, and if you desaturate by 10%, it is **11.6238, 5.3670, 57.5503**.

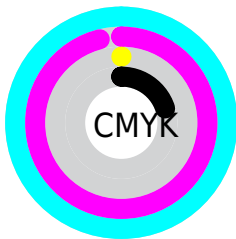
Distribution



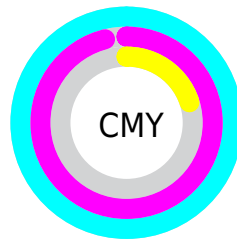
- Red (0%)
- Green (4%)
- Blue (80%)



- Red (0%)
- Yellow (4%)
- Blue (80%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (96%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9968, 4.5550, 57.4264 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 10.9968, 4.5550, 57.4264 by changing the saturation by 10% instead.

■ 10.9968, 4.5550,
57.4264

■ 10.9968, 4.5550,
57.4264

191.5543,
145.4399, 432.5836

■ 6.1320, 1.9886,
40.9360

■ 27.2873, 14.8495,
102.5936

■ 2.9669, 0.6008,
27.9498

■ 39.4436, 23.3464,
132.1075

■ 1.1363, 0.0000,
18.0491

■ 54.7611, 34.5890,
166.7997

■ 0.0552, 0.0000,
10.8154

■ 73.6052, 48.9615,
207.0887

■ 0.0000, 0.0000,
5.8303

■ 96.3412, 66.8485,
253.3931

■ 0.0000, 0.0000,
2.6750

■ 123.3345, 88.6343,

■ 0.0000, 0.0000,

306.1313


0.9308

 154.9504,
114.7033, 365.7219

 0.0000, 0.0000,
0.0000


 10.9968, 4.5550,
57.4264

 10.9968, 4.5550,
57.4264

 10.9961, 4.5537,
57.4264

 11.6238, 5.3670,
57.5503

 12.8644, 6.9415,
57.7888

 14.8761, 9.4340,
58.1639

 17.7573, 12.9556,
58.6918

 21.5915, 17.6019,
59.3865

■ 26.4525, 23.4573,
60.2605

■ 32.4070, 30.5983,
61.3250

■ 39.5158, 39.0951,
62.5904

■ 47.8354, 49.0128,
64.0662

Harmonies

Analogous

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



5.2022, 4.5550, 82.1137



10.9968, 4.5550, 57.4264



16.6922, 4.5550, 21.7841

Triad

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



10.9968, 4.5550, 57.4264



8.5592, 4.5550, 0.0000



0.0000, 4.5550, 7.6979

Complementary

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



10.9968, 4.5550, 57.4264



44.4321, 51.8973, 7.6768

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.



0.1993, 4.5550, 0.0000



10.9968, 4.5550, 57.4264



3.5601, 4.5550, 0.0000

Square

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



10.9968, 4.5550, 57.4264



14.7562, 4.5550, 0.0000



1.1116, 4.5550, 0.0000



0.4745, 4.5550, 34.6144

Rectangle

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



10.9968, 4.5550, 57.4264



18.4420, 4.5550, 6.8475



1.1116, 4.5550, 0.0000



0.0000, 4.5550, 3.4552

Sweetspot

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



10.9972, 4.5550, 57.4266



53.2225, 50.1392, 101.4804



31.3090, 47.0724, 58.3586



10.4486, 9.6017, 21.5526



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.



10.9972, 4.5550, 57.4266



18.1716, 7.4633, 95.0905



15.2960, 6.6271, 57.6000



10.6405, 10.9215, 14.1176



6.9388, 2.9016, 36.1506



0.3721, 0.1779, 1.8697

Inverse Universe

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



24.9517, 12.8582, 1.4247



41.3014, 21.2846, 2.2533



28.3036, 46.6454, 7.5131



11.2319, 11.2215, 11.7559



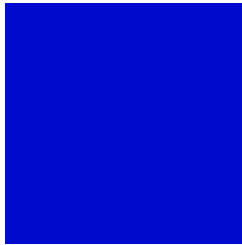
15.7133, 8.0959, 0.9430



0.8178, 0.4205, 0.0862

Previews

White Background



This preview shows how the XYZ color 10.9968, 4.5550, 57.4264 looks on a white background.

Color Contrast Check

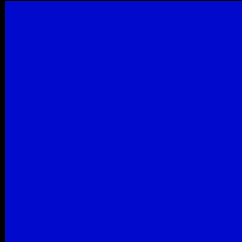
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.9968, 4.5550, 57.4264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

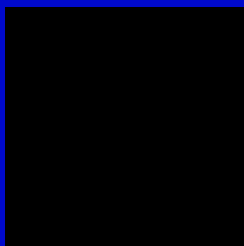
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9968, 4.5550, 57.4264

Background



This preview shows how black text looks on a background with the XYZ color 10.9968, 4.5550, 57.4264.



This preview shows how white text looks on a background with the XYZ color 10.9968, 4.5550,

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

10.9968, 4.5550, 57.4264

Protanopia

5.3175, 4.7124, 20.0314

Deuteranopia

4.4349, 4.7074, 14.3105



Tritanopia

3.2978, 4.7241, 6.8689

Trichromacy



Original Color

10.9968, 4.5550, 57.4264

Protanomaly

6.6257, 3.9190, 30.9791

Deuteranomaly

5.7832, 3.7544, 26.0110

Tritanomaly

4.4067, 3.3891, 18.1912

Monochromacy



Original Color

10.9968, 4.5550, 57.4264

Achromatopsia

1.1678, 1.2286, 1.3380

Achromatomaly

2.5121, 1.4927, 10.5116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9968, 4.5550, 57.4264 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, 9, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 9, 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, 9, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 9, 204) }
```

Border

The CSS property to change the border of an element to XYZ 10.9968, 4.5550, 57.4264 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, 9, 204) }
```


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

```
.border{ border-color:rgb(0, 9, 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, 9, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 9, 204); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 9, 204); box-shadow:4px  
4px 4px 4px rgb(0, 9, 204) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9968, 4.5550, 57.4264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 9, 204) }
```

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

```
.background{ background-color: rgb(0, 9,  
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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