

Converting Colors

XYZ(11.2226, 4.5264, 57.4089)

Have a look what the booklet for
XYZ(11.2226, 4.5264, 57.4089)
contains.

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Color

**XYZ(11.2300, 4.5302,
57.4093)**

Conversions

Conversions Part 1

Format	Color
Hex	1600CC
RGB	22, 0, 204
RGB Percent	9%, 0%, 80%
CMY	0.9136, 1.0000, 0.2000
CMYK	0.89, 1.00, 0.00, 0.20
HSL	246°, 100%, 40%
HSV	246°, 100%, 80%
XYZ	11.2300, 4.5302, 57.4093
YIQ	29.8340, -52.3720, 68.1080

Conversions

Conversions Part 2

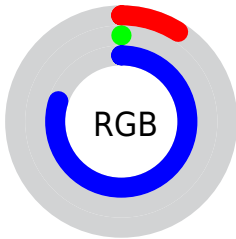
Format	Color
R_{YB}	22, 0, 204
Decimal	1441996
CIE _{Lab}	25.35, 67.11, -90.28
CIE _{LCh}	25, 112.487, 306.625
Yxy	4.5302, 0.1535, 0.0619
Android (android.graphics.Color)	4279632076 (0xFF1600CC)
YUV	29.8340, 85.8638, -6.8704
Hunter-Lab	21.2843, 56.9327, -145.0218

Details

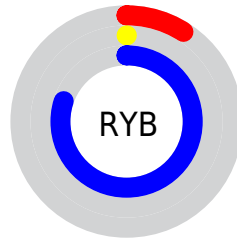
The XYZ color **11.2300, 4.5302, 57.4093** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **40.8777, 53.1276, 8.1002**, and the grayscale version is **1.1710, 1.2320, 1.3416**.

A 20% lighter version of the original color is **26.4389, 14.2663, 95.9679**, and **5.3453, 2.1381, 28.1479** is the 20% darker color. If you saturate the color by 10%, you get **11.2306, 4.5305, 57.4095**, and if you desaturate by 10%, it is **12.0403, 5.3298, 57.5211**.

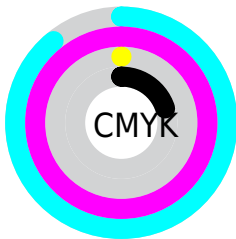
Distribution



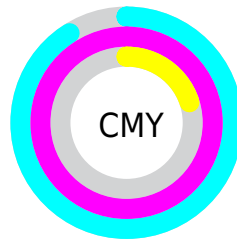
- Red (9%)
- Green (0%)
- Blue (80%)



- Red (9%)
- Yellow (0%)
- Blue (80%)



- Cyan (89%)
- Magenta (100%)
- Yellow (0%)
- Black (20%)



- Cyan (91%)
- Magenta (100%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.2300, 4.5302, 57.4093 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 11.2300, 4.5302, 57.4093 by changing the saturation by 10% instead.

■ 11.2300, 4.5302,
57.4093

■ 11.2300, 4.5302,
57.4093

193.1146,
145.1900, 432.5179

■ 6.2902, 1.9743,
40.9224

■ 27.7139, 14.7949,
102.5684

■ 3.0647, 0.5925,
27.9392

■ 39.9887, 23.2726,
132.0777

■ 1.1880, 0.0000,
18.0412

■ 55.4392, 34.4931,
166.7649

■ 0.0969, 0.0000,
10.8098

■ 74.4307, 48.8406,
207.0485

■ 0.0000, 0.0000,
5.8265

■ 97.3287, 66.6997,
253.3470


■ 0.0000, 0.0000,
2.6728

■ 124.4984, 88.4547,


■ 0.0000, 0.0000,


306.0791

0.9297


 156.3053,
114.4900, 365.6632


 0.0000, 0.0000,
0.0000

 11.2300, 4.5302,
57.4093


 11.2300, 4.5302,
57.4093


 11.2306, 4.5305,
57.4095

 12.0403, 5.3298,
57.5211

 13.4548, 6.8440,
57.7389

 15.6086, 9.2806,
58.0956

 18.5867, 12.7572,
58.6097

 22.4624, 17.3741,
59.2966

■ 27.3008, 23.2194,
60.1699

■ 33.1608, 30.3727,
61.2417

■ 40.0966, 38.9069,
62.5234

■ 48.1586, 48.8893,
64.0253

Harmonies

Analogous

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



5.3165, 4.5302, 83.4554



11.2300, 4.5302, 57.4093



16.9609, 4.5302, 21.2034

Triad

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



11.2300, 4.5302, 57.4093



8.4175, 4.5302, 0.0000



0.0000, 4.5302, 8.1463

Complementary

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



11.2300, 4.5302, 57.4093



40.8777, 53.1276, 8.1002

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.



0.1470, 4.5302, 0.0000



11.2300, 4.5302, 57.4093



3.4321, 4.5302, 0.0000

Square

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



11.2300, 4.5302, 57.4093



14.7215, 4.5302, 0.0000



1.0437, 4.5302, 0.0000



0.4638, 4.5302, 36.0839

Rectangle

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



11.2300, 4.5302, 57.4093



18.6473, 4.5302, 6.4386



1.0437, 4.5302, 0.0000



0.0000, 4.5302, 3.6819

Sweetspot

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



11.2306, 4.5305, 57.4095



54.5051, 49.7948, 101.3464



27.9567, 38.4748, 63.0799



10.7398, 9.5248, 21.5224



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.



11.2306, 4.5305, 57.4095



18.5163, 7.4604, 95.0718



18.9820, 8.5265, 57.7723



10.7123, 10.9010, 14.1099



7.1076, 2.8716, 36.1359



0.4056, 0.1682, 1.8660

Inverse Universe

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



33.3425, 16.2137, 45.6130



55.1694, 26.8317, 75.2810



25.0380, 44.9619, 7.3589



11.6333, 11.3821, 13.8697



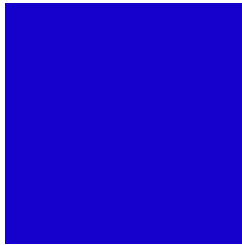
21.0071, 10.2134, 28.8198



1.0990, 0.5330, 1.5674

Previews

White Background



This preview shows how the XYZ color 11.2300, 4.5302, 57.4093 looks on a white background.

Color Contrast Check

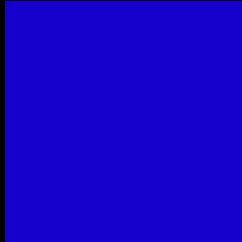
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.2300, 4.5302, 57.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

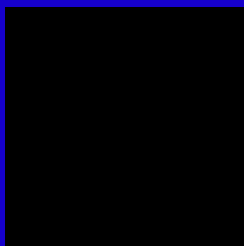
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.2300, 4.5302, 57.4093

Background



This preview shows how black text looks on a background with the XYZ color 11.2300, 4.5302, 57.4093.



This preview shows how white text looks on a background with the XYZ color 11.2300, 4.5302,

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

11.2300, 4.5302, 57.4093

Protanopia

5.3818, 4.7381, 20.3696

Deuteranopia

4.4872, 4.7283, 14.5861



Tritanopia

3.2978, 4.7241, 6.8689

Trichromacy



Original Color

11.2300, 4.5302, 57.4093

Protanomaly

6.6260, 3.7709, 30.9505

Deuteranomaly

5.7756, 3.5905, 25.9798

Tritanomaly

4.3910, 3.2091, 18.1573

Monochromacy



Original Color

11.2300, 4.5302, 57.4093

Achromatopsia

1.2340, 1.2983, 1.4139

Achromatomaly

2.6607, 1.4891, 10.5031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.2300, 4.5302, 57.4093 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(22, 0, 204)` looks like.

```
.text, #text, p{  
    color:rgb(22, 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(22, 0, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 0, 204) }
```

Border

The CSS property to change the border of an element to XYZ 11.2300, 4.5302, 57.4093 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(22, 0, 204) }
```


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

```
.border{ border-color:rgb(22, 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(22, 0, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 0, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 0, 204);  
box-shadow:4px 4px 4px 4px rgb(22, 0, 204)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.2300, 4.5302, 57.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 0, 204) }
```

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

```
.background{ background-color: rgb(22, 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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