

Converting Colors

XYZ(11.7920, 4.7342, 61.3090)

Have a look what the booklet for
XYZ(11.7920, 4.7342, 61.3090)
contains.

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Color

**XYZ(11.7845, 4.7313,
61.2649)**

Conversions

Conversions Part 1

Format	Color
Hex	0C00D2
RGB	12, 0, 210
RGB Percent	5%, 0%, 82%
CMY	0.9528, 1.0000, 0.1765
CMYK	0.94, 1.00, 0.00, 0.18
HSL	243°, 100%, 41%
HSV	243°, 100%, 82%
XYZ	11.7845, 4.7313, 61.2649
YIQ	27.5280, -60.2580, 67.8540

Conversions

Conversions Part 2

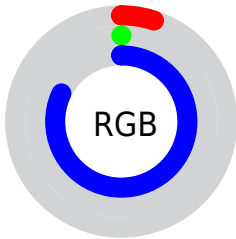
Format	Color
RYB	12, 0, 210
Decimal	786642
CIELab	25.96, 68.48, -92.78
CIELCh	26, 115.313, 306.432
Yxy	4.7313, 0.1515, 0.0608
Android (android.graphics.Color)	4278976722 (0xFF0C00D2)
YUV	27.5280, 89.9587, -13.6181
Hunter-Lab	21.7516, 58.6421, -151.7687

Details

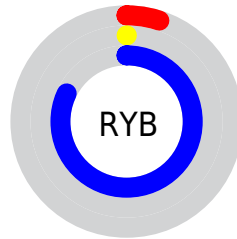
The XYZ color **11.7845, 4.7313, 61.2649** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **46.3233, 58.0929, 8.7716**, and the grayscale version is **1.0244, 1.0778, 1.1737**.

A 20% lighter version of the original color is **26.3707, 14.3156, 95.9810**, and **5.8327, 2.3331, 30.7148** is the 20% darker color. If you saturate the color by 10%, you get **11.7852, 4.7317, 61.2652**, and if you desaturate by 10%, it is **12.4918, 5.4940, 61.3751**.

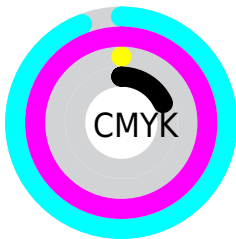
Distribution



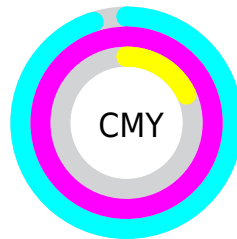
- Red (5%)
- Green (0%)
- Blue (82%)



- Red (5%)
- Yellow (0%)
- Blue (82%)



- Cyan (94%)
- Magenta (100%)
- Yellow (0%)
- Black (18%)



- Cyan (95%)
- Magenta (100%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7845, 4.7313, 61.2649 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 11.7845, 4.7313, 61.2649 by changing the saturation by 10% instead.

■ 11.7845, 4.7313,
61.2649

■ 11.7845, 4.7313,
61.2649

196.7725,
147.1989, 447.1780

■ 6.6683, 2.0905,
44.0070

■ 28.7223, 15.2355,
108.2237

■ 3.3000, 0.6593,
30.3388

■ 41.2745, 23.8677,
138.7616

■ 1.3143, 0.0000,
19.8417

■ 57.0362, 35.2658,
174.5634

■ 0.1939, 0.0000,
12.0971

■ 76.3725, 49.8142,
216.0475

■ 0.0000, 0.0000,
6.6865

■ 99.6490, 67.8974,
263.6325


■ 0.0000, 0.0000,
3.1914


■ 127.2309, 89.8996,

■ 0.0000, 0.0000,


317.7369

1.1932

 159.4837,
116.2053, 378.7792

 0.0000, 0.0000,
0.0000

 11.7845, 4.7313,
61.2649


 11.7845, 4.7313,
61.2649


 11.7852, 4.7317,
61.2652

 12.4918, 5.4940,
61.3751

 13.8584, 7.0296,
61.5994

 16.0408, 9.5642,
61.9736

 19.1401, 13.2296,
62.5178

 23.2430, 18.1374,
63.2488

■ 28.4258, 24.3858,
64.1817

■ 34.7576, 32.0631,
65.3299

■ 42.3018, 41.2503,
66.7056

■ 51.1170, 52.0220,
68.3201

Harmonies

Analogous

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



5.5312, 4.7313, 88.8920



11.7845, 4.7313, 61.2649



17.8881, 4.7313, 22.6148

Triad

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



11.7845, 4.7313, 61.2649



8.8880, 4.7313, 0.0000



0.0000, 4.7313, 8.4338

Complementary

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



11.7845, 4.7313, 61.2649



46.3233, 58.0929, 8.7716

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.



0.1509, 4.7313, 0.0000



11.7845, 4.7313, 61.2649



3.6004, 4.7313, 0.0000

Square

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



11.7845, 4.7313, 61.2649



15.5761, 4.7313, 0.0000



1.0786, 4.7313, 0.0000



0.4662, 4.7313, 38.0050

Rectangle

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



11.7845, 4.7313, 61.2649



19.7060, 4.7313, 6.8418



1.0786, 4.7313, 0.0000



0.0000, 4.7313, 3.7655

Sweetspot

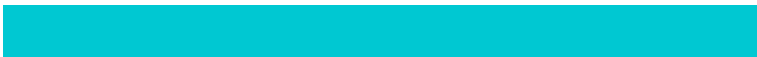
The Sweet Spot groups the original color and five complimentary colors.



11.7852, 4.7317, 61.2652



53.5719, 49.3137, 101.3027



32.1716, 45.7306, 68.1043



10.5277, 9.4154, 21.5124



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.



11.7852, 4.7317, 61.2652



18.2410, 7.3185, 95.0589



18.7691, 8.3320, 61.5920



11.2255, 11.4496, 14.8620



7.2167, 2.9006, 37.3720



0.4261, 0.1738, 2.0907

Inverse Universe

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



36.7662, 17.7768, 54.8919



57.0236, 27.5734, 85.0453



27.7142, 48.4996, 7.9007



12.2803, 11.9969, 14.7518



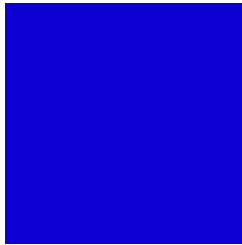
22.4397, 10.8487, 33.5513



1.2638, 0.6102, 1.9240

Previews

White Background



This preview shows how the XYZ color 11.7845, 4.7313, 61.2649 looks on a white background.

Color Contrast Check

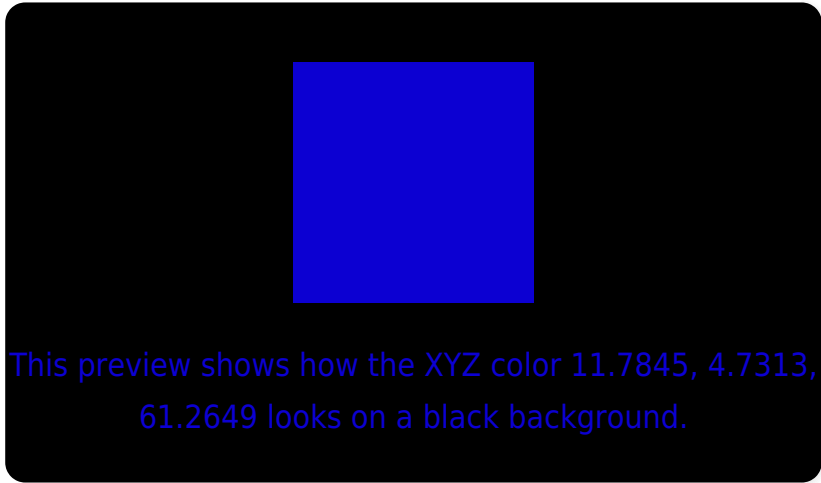
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

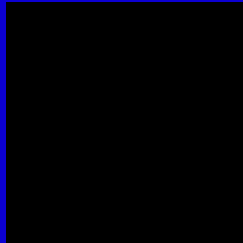
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7845, 4.7313, 61.2649

Background



This preview shows how black text looks on a background with the XYZ color 11.7845, 4.7313, 61.2649.



This preview shows how white text looks on a background with the XYZ color 11.7845, 4.7313,

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

11.7845, 4.7313, 61.2649

Protanopia

5.6312, 4.9225, 21.4222

Deuteranopia

4.7085, 5.0006, 15.1850



Tritanopia

3.4893, 5.0009, 7.2599

Trichromacy



Original Color

11.7845, 4.7313, 61.2649

Protanomaly

6.9471, 3.9455, 32.7431

Deuteranomaly

6.0663, 3.7571, 27.5996

Tritanomaly

4.5636, 3.3326, 19.1416

Monochromacy



Original Color

11.7845, 4.7313, 61.2649

Achromatopsia

1.1037, 1.1612, 1.2646

Achromatomaly

2.5676, 1.4113, 10.7268

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7845, 4.7313, 61.2649 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(12, 0, 210)` looks like.

```
.text, #text, p{  
    color:rgb(12, 0, 210)  
}
```

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(12, 0, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 0, 210) }
```

Border

The CSS property to change the border of an element to XYZ 11.7845, 4.7313, 61.2649 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(12, 0, 210) }
```


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

```
.border{ border-color:rgb(12, 0, 210) }
```

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

Here you see how a box with a 4 pixel rgb(12, 0, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 0, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 0, 210);  
box-shadow:4px 4px 4px 4px rgb(12, 0, 210)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7845, 4.7313, 61.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 0, 210) }
```

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

```
.background{ background-color: rgb(12, 0,  
210) }
```

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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