

Converting Colors

XYZ(11.6705, 4.9476, 50.1220)

Have a look what the booklet for
XYZ(11.6705, 4.9476, 50.1220)
contains.

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Color

**XYZ(11.7161, 4.9730,
50.2115)**

Conversions

Conversions Part 1

Format	Color
Hex	4102C0
RGB	65, 2, 192
RGB Percent	25%, 1%, 75%
CMY	0.7451, 0.9922, 0.2471
CMYK	0.66, 0.99, 0.00, 0.25
HSL	260°, 98%, 38%
HSV	260°, 99%, 75%
XYZ	11.7161, 4.9730, 50.2115
YIQ	42.4970, -23.4420, 72.4460

Conversions

Conversions Part 2

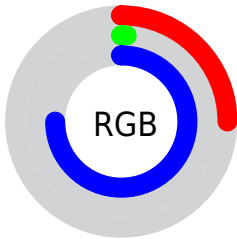
Format	Color
RYB	65, 2, 192
Decimal	4260544
CIELab	26.66, 64.97, -80.97
CIELCh	27, 103.813, 308.743
Yxy	4.9730, 0.1751, 0.0743
Android (android.graphics.Color)	4282450624 (0xFF4102C0)
YUV	42.4970, 73.7050, 19.7351
Hunter-Lab	22.3002, 54.7550, -117.8880

Details

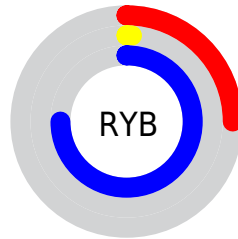
The XYZ color **11.7161, 4.9730, 50.2115** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **27.9112, 42.3695, 6.7642**, and the grayscale version is **2.1816, 2.2952, 2.4995**.

A 20% lighter version of the original color is **28.6225, 15.7417, 91.9724**, and **4.5154, 1.8061, 23.7775** is the 20% darker color. If you saturate the color by 10%, you get **11.6079, 4.8850, 50.2004**, and if you desaturate by 10%, it is **12.9149, 5.9621, 50.3394**.

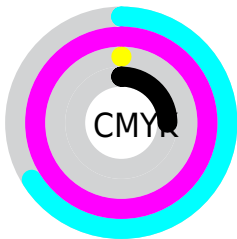
Distribution



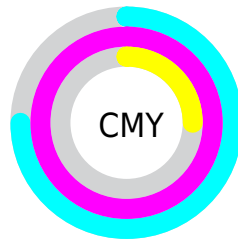
- Red (25%)
- Green (1%)
- Blue (75%)



- Red (25%)
- Yellow (1%)
- Blue (75%)



- Cyan (66%)
- Magenta (99%)
- Yellow (0%)
- Black (25%)



- Cyan (75%)
- Magenta (99%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7161, 4.9730, 50.2115 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 11.7161, 4.9730, 50.2115 by changing the saturation by 10% instead.

■ 11.7161, 4.9730,
50.2115

■ 11.7161, 4.9730,
50.2115

196.3252,
149.5628, 404.2512

■ 6.6215, 2.2314,
35.2091

■ 28.5983, 15.7598,
91.8877

■ 3.2707, 0.7370,
23.5392

■ 41.1167, 24.5737,
119.3986

■ 1.2985, 0.0000,
14.7831

■ 56.8403, 36.1806,
151.9161

■ 0.1821, 0.0000,
8.5224

■ 76.1346, 50.9648,
189.8587

■ 0.0000, 0.0000,
4.3385

■ 99.3648, 69.3108,
233.6450

■ 0.0000, 0.0000,
1.8128

■ 126.8965, 91.6028,


■ 0.0000, 0.0000,


283.6934

0.4364

 159.0948,
118.2253, 340.4227

 0.0000, 0.0000,
0.0000

 11.7161, 4.9730,
50.2115


 11.7161, 4.9730,
50.2115


 11.6079, 4.8850,
50.2004

 12.9149, 5.9621,
50.3394

 14.5686, 7.5573,
50.5602

 16.7605, 9.9082,
50.8984

 19.5426, 13.1036,
51.3685

 22.9601, 17.2196,
51.9829

■ 27.0534, 22.3236,
52.7523

■ 31.8593, 28.4763,
53.6866

■ 37.4116, 35.7336,
54.7948

■ 43.7421, 44.1473,
56.0851

Harmonies

Analogous

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



6.0511, 4.9730, 74.3961



11.7161, 4.9730, 50.2115



16.8028, 4.9730, 18.7071

Triad

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



11.7161, 4.9730, 50.2115



8.2640, 4.9730, 0.0000



0.3002, 4.9730, 9.7014

Complementary

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



11.7161, 4.9730, 50.2115



27.9112, 42.3695, 6.7642

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.



0.4432, 4.9730, 0.5820



11.7161, 4.9730, 50.2115



3.6112, 4.9730, 0.0000

Square

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



11.7161, 4.9730, 50.2115



14.1246, 4.9730, 0.0000



1.2781, 4.9730, 0.0000



0.8284, 4.9730, 36.1727

Rectangle

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



11.7161, 4.9730, 50.2115



18.0990, 4.9730, 5.9334



1.2781, 4.9730, 0.0000



0.2714, 4.9730, 4.9273

Sweetspot

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



11.7165, 4.9730, 50.2117



56.3204, 49.7796, 97.0003



17.7676, 20.2752, 52.8463



11.2723, 9.6388, 20.6517



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.7165, 4.9730, 50.2117



20.7963, 8.7294, 90.9491



23.4729, 11.0337, 50.7619



9.8360, 9.9066, 12.6786



7.8852, 3.3254, 33.7829



0.4146, 0.1818, 1.4631

Inverse Universe

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



25.7212, 12.8342, 21.8845



46.3654, 23.0963, 38.5832



19.6173, 38.0938, 6.3761



10.3507, 10.1889, 11.9371



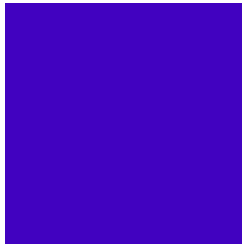
17.3009, 8.6101, 14.7623



0.7783, 0.3843, 0.8001

Previews

White Background



This preview shows how the XYZ color 11.7161, 4.9730, 50.2115 looks on a white background.

Color Contrast Check

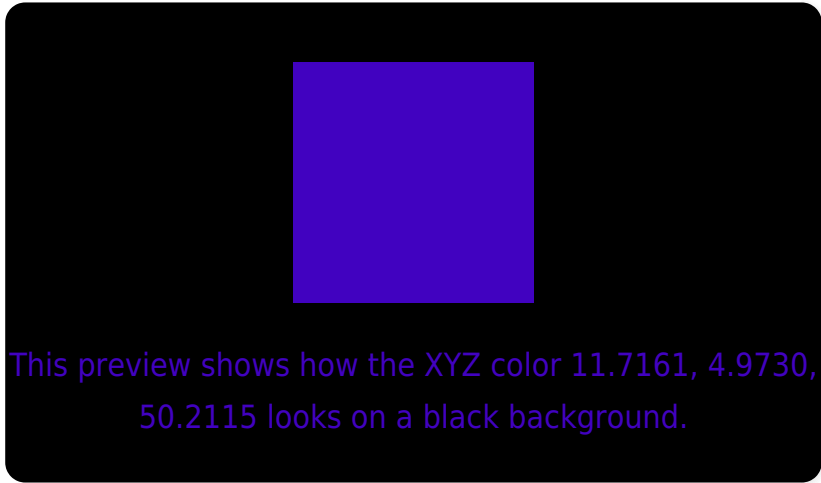
Large Text (above 18pt) WCAG AA ✓ Pass

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

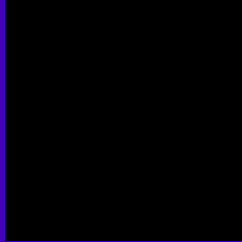
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.7161, 4.9730, 50.2115

Background



This preview shows how black text looks on a background with the XYZ color 11.7161, 4.9730, 50.2115.



This preview shows how white text looks on a background with the XYZ color 11.7161, 4.9730,

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

11.7161, 4.9730, 50.2115

Protanopia

5.9424, 5.2210, 22.5243

Deuteranopia

4.9318, 5.1842, 16.0699



Tritanopia

3.6569, 5.1706, 7.8265

Trichromacy



Original Color

11.7161, 4.9730, 50.2115

Protanomaly

7.0024, 4.1132, 30.9967

Deuteranomaly

6.0483, 3.8450, 25.6227

Tritanomaly

4.7230, 3.5591, 17.8908

Monochromacy



Original Color

11.7161, 4.9730, 50.2115

Achromatopsia

2.2007, 2.3153, 2.5214

Achromatomaly

3.8650, 2.3250, 11.5543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7161, 4.9730, 50.2115 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(65, 2, 192)` looks like.

```
.text, #text, p{  
    color:rgb(65, 2, 192)  
}
```

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(65, 2, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 2, 192) }
```

Border

The CSS property to change the border of an element to XYZ 11.7161, 4.9730, 50.2115 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(65, 2, 192) }
```


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

```
.border{ border-color:rgb(65, 2, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 2, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 2, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 2, 192);  
box-shadow:4px 4px 4px 4px rgb(65, 2, 192)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.7161, 4.9730, 50.2115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 2, 192) }
```

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

```
.background{ background-color: rgb(65, 2,  
192) }
```

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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