

Converting Colors

XYZ(10.9949, 4.9533, 48.3507)

Have a look what the booklet for
XYZ(10.9949, 4.9533, 48.3507)
contains.

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Color

**XYZ(11.0491, 4.9806,
48.5231)**

Conversions

Conversions Part 1

Format	Color
Hex	3813BD
RGB	56, 19, 189
RGB Percent	22%, 7%, 74%
CMY	0.7804, 0.9255, 0.2588
CMYK	0.70, 0.90, 0.00, 0.26
HSL	253°, 82%, 41%
HSV	253°, 90%, 74%
XYZ	11.0491, 4.9806, 48.5231
YIQ	49.4430, -32.5180, 60.7140

Conversions

Conversions Part 2

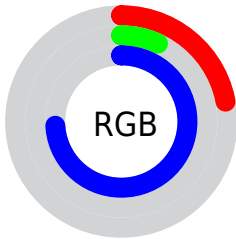
Format	Color
R_{YB}	56, 19, 189
Decimal	3675069
CIE _{Lab}	26.68, 60.06, -79.18
CIE _{LCh}	27, 99.383, 307.182
Yxy	4.9806, 0.1712, 0.0772
Android (android.graphics.Color)	4281865149 (0xFF3813BD)
YUV	49.4430, 68.8016, 5.7505
Hunter-Lab	22.3173, 49.3188, -113.2887

Details

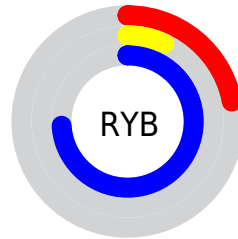
The XYZ color **11.0491, 4.9806, 48.5231** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **31.2609, 43.1161, 7.2904**, and the grayscale version is **2.8969, 3.0478, 3.3191**.

A 20% lighter version of the original color is **27.4057, 15.8239, 89.6056**, and **4.3031, 1.7212, 22.6597** is the 20% darker color. If you saturate the color by 10%, you get **10.1098, 4.1522, 48.4129**, and if you desaturate by 10%, it is **12.4585, 6.3853, 48.7201**.

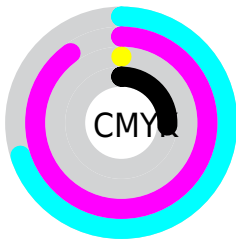
Distribution



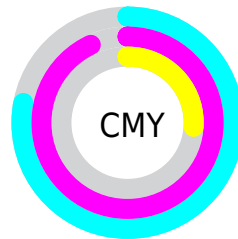
- Red (22%)
- Green (7%)
- Blue (74%)



- Red (22%)
- Yellow (7%)
- Blue (74%)



- Cyan (70%)
- Magenta (90%)
- Yellow (0%)
- Black (26%)



- Cyan (78%)
- Magenta (93%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.0491, 4.9806, 48.5231 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 11.0491, 4.9806, 48.5231 by changing the saturation by 10% instead.

■ 11.0491, 4.9806,
48.5231

■ 11.0491, 4.9806,
48.5231

191.9054,
149.6362, 397.4302

■ 6.1674, 2.2359,
33.8784

■ 27.3831, 15.7761,
89.3564

■ 2.9888, 0.7395,
22.5236

■ 39.5661, 24.5958,
116.3820

■ 1.1478, 0.0000,
14.0401

■ 54.9135, 36.2092,
148.3718

■ 0.0646, 0.0000,
8.0095

■ 73.7908, 51.0007,
185.7441

■ 0.0000, 0.0000,
4.0132

■ 96.5633, 69.3548,
228.9175


■ 0.0000, 0.0000,
1.6326


■ 123.5963, 91.6558,


■ 0.0000, 0.0000,


278.3107


0.3139

 155.2553,
118.2881, 334.3421


 0.0000, 0.0000,
0.0000

 11.0491, 4.9806,
48.5231


 11.0491, 4.9806,
48.5231


 10.1098, 4.1522,
48.4129


 12.4585, 6.3853,
48.7201

 10.1059, 4.1487,
48.4124

 14.4373, 8.5384,
49.0314

 17.0445, 11.5309,
49.4716

 20.3307, 15.4402,
50.0530

 24.3413, 20.3351,
50.7864

■ 29.1174, 26.2775,
51.6817

■ 34.6971, 33.3241,
52.7477

■ 41.1159, 41.5276,
53.9929

■ 48.4071, 50.9373,
55.4248

Harmonies

Analogous

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



5.7593, 4.9806, 69.4832



11.0491, 4.9806, 48.5231



15.9116, 4.9806, 19.1867

Triad

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



11.0491, 4.9806, 48.5231



8.3762, 4.9806, 0.0000



0.4002, 4.9806, 8.6598

Complementary

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



11.0491, 4.9806, 48.5231



31.2609, 43.1161, 7.2904

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.



0.5711, 4.9806, 0.5214



11.0491, 4.9806, 48.5231



3.8381, 4.9806, 0.0000

Square

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



11.0491, 4.9806, 48.5231



13.8550, 4.9806, 0.0000



1.4463, 4.9806, 0.0000



0.8748, 4.9806, 32.4894

Rectangle

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



11.0491, 4.9806, 48.5231



17.2753, 4.9806, 6.5768



1.4463, 4.9806, 0.0000



0.3841, 4.9806, 4.4128

Sweetspot

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



11.0495, 4.9806, 48.5233



54.5284, 50.0521, 93.0133



20.7088, 26.3227, 52.1336



11.0385, 9.9001, 19.8717



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



11.0495, 4.9806, 48.5233



17.9350, 7.3455, 86.6987



20.3739, 9.7876, 48.9596



9.2056, 9.3228, 11.9865



6.8539, 2.8194, 32.5759



0.3255, 0.1398, 1.2787

Inverse Universe

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



26.8852, 13.5508, 30.8970



47.0453, 23.1601, 51.5686



20.6409, 37.6413, 6.7934



9.8386, 9.6597, 11.5391



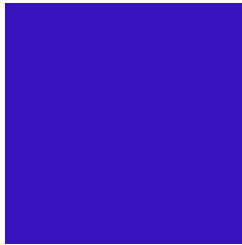
17.7378, 8.7263, 19.7108



0.7173, 0.3508, 0.8906

Previews

White Background



This preview shows how the XYZ color 11.0491, 4.9806, 48.5231 looks on a white background.

Color Contrast Check

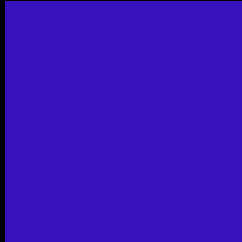
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.0491, 4.9806, 48.5231 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

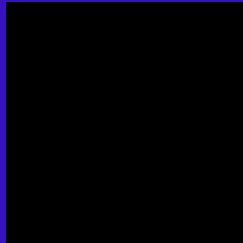
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.0491, 4.9806, 48.5231

Background



This preview shows how black text looks on a background with the XYZ color 11.0491, 4.9806, 48.5231.



This preview shows how white text looks on a background with the XYZ color 11.0491, 4.9806,

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

11.0491, 4.9806, 48.5231

Protanopia

5.6851, 5.0302, 21.4402

Deuteranopia

4.7627, 5.0222, 15.4702



Tritanopia

3.5232, 5.0145, 7.4388

Trichromacy



Original Color

11.0491, 4.9806, 48.5231

Protanomaly

6.8514, 4.3371, 29.7542

Deuteranomaly

6.0470, 4.2094, 24.9199

Tritanomaly

4.6689, 3.8657, 17.0231

Monochromacy



Original Color

11.0491, 4.9806, 48.5231

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

4.4095, 3.0364, 12.4103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.0491, 4.9806, 48.5231 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(56, 19, 189)` looks like.

```
.text, #text, p{  
    color:rgb(56, 19, 189)  
}
```

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(56, 19, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 19, 189) }
```

Border

The CSS property to change the border of an element to XYZ 11.0491, 4.9806, 48.5231 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(56, 19, 189) }
```


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

```
.border{ border-color:rgb(56, 19, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 19, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 19, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 19, 189);  
box-shadow:4px 4px 4px 4px rgb(56, 19,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 11.0491, 4.9806, 48.5231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 19, 189) }
```

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

```
.background{ background-color: rgb(56, 19,  
189) }
```

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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