

Converting Colors

XYZ(10.8152, 4.5181, 48.2756)

Have a look what the booklet for
XYZ(10.8152, 4.5181, 48.2756)
contains.

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Color

**XYZ(10.8727, 4.5440,
48.4481)**

Conversions

Conversions Part 1

Format	Color
Hex	3900BD
RGB	57, 0, 189
RGB Percent	22%, 0%, 74%
CMY	0.7764, 1.0000, 0.2588
CMYK	0.70, 1.00, 0.00, 0.26
HSL	258°, 100%, 37%
HSV	258°, 100%, 74%
XYZ	10.8727, 4.5440, 48.4481
YIQ	38.5890, -26.6970, 70.8630

Conversions

Conversions Part 2

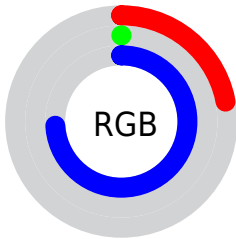
Format	Color
RYB	57, 0, 189
Decimal	3735741
CIELab	25.39, 64.30, -81.32
CIELCh	25, 103.666, 308.333
Yxy	4.5440, 0.1702, 0.0712
Android (android.graphics.Color)	4281925821 (0xFF3900BD)
YUV	38.5890, 74.1526, 16.1464
Hunter-Lab	21.3167, 53.7409, -119.8315

Details

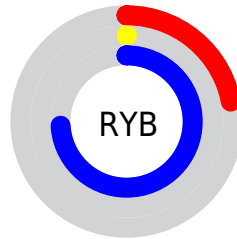
The XYZ color **10.8727, 4.5440, 48.4481** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **27.7119, 41.3001, 6.5111**, and the grayscale version is **1.8332, 1.9287, 2.1003**.

A 20% lighter version of the original color is **27.1362, 14.8560, 89.4329**, and **4.3031, 1.7212, 22.6597** is the 20% darker color. If you saturate the color by 10%, you get **10.8732, 4.5443, 48.4483**, and if you desaturate by 10%, it is **11.9574, 5.4464, 48.5653**.

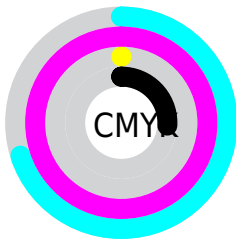
Distribution



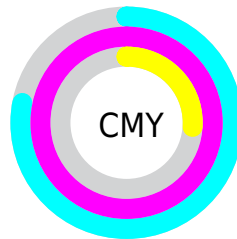
- Red (22%)
- Green (0%)
- Blue (74%)



- Red (22%)
- Yellow (0%)
- Blue (74%)



- Cyan (70%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)



- Cyan (78%)
- Magenta (100%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.8727, 4.5440, 48.4481 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 10.8727, 4.5440, 48.4481 by changing the saturation by 10% instead.

■ 10.8727, 4.5440,
48.4481

■ 10.8727, 4.5440,
48.4481

190.7185,
145.3291, 397.1254

■ 6.0480, 1.9823,
33.8194

■ 27.0596, 14.8253,
89.2437

■ 2.9152, 0.5971,
22.4786

■ 39.1524, 23.3137,
116.2476

■ 1.1091, 0.0000,
14.0073

■ 54.3987, 34.5464,
148.2137

■ 0.0327, 0.0000,
7.9870

■ 73.1637, 48.9079,
185.5605

■ 0.0000, 0.0000,
3.9990

■ 95.8128, 66.7825,
228.7065

■ 0.0000, 0.0000,
1.6248

■ 122.7114, 88.5547,

■ 0.0000, 0.0000,

278.0703

0.3084

 154.2249,
114.6087, 334.0704

 0.0000, 0.0000,
0.0000


 10.8727, 4.5440,
48.4481


 10.8727, 4.5440,
48.4481

 10.8732, 4.5443,
48.4483

 11.9574, 5.4464,
48.5653

 13.4754, 6.9052,
48.7669

 15.5216, 9.0906,
49.0808

 18.1486, 12.0906,
49.5214

 21.4017, 15.9801,
50.1007

■ 25.3217, 20.8252,
50.8293

■ 29.9454, 26.6857,
51.7168

■ 35.3071, 33.6164,
52.7720

■ 41.4384, 41.6681,
54.0030

Harmonies

Analogous

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



5.5043, 4.5440, 71.6263



10.8727, 4.5440, 48.4481



15.7727, 4.5440, 17.9403

Triad

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



10.8727, 4.5440, 48.4481



7.7374, 4.5440, 0.0000



0.1681, 4.5440, 8.7759

Complementary

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



10.8727, 4.5440, 48.4481



27.7119, 41.3001, 6.5111

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.



0.3202, 4.5440, 0.3850



10.8727, 4.5440, 48.4481



3.3173, 4.5440, 0.0000

Square

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



10.8727, 4.5440, 48.4481



13.3244, 4.5440, 0.0000



1.1303, 4.5440, 0.0000



0.6869, 4.5440, 33.9840

Rectangle

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



10.8727, 4.5440, 48.4481



17.0601, 4.5440, 5.6019



1.1303, 4.5440, 0.0000



0.1424, 4.5440, 4.3464

Sweetspot

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



10.8732, 4.5443, 48.4483



53.2050, 47.2473, 92.5416



17.4774, 20.2582, 51.1333



10.6625, 9.1679, 19.7502



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.



10.8732, 4.5443, 48.4483



19.2627, 8.0299, 86.7609



21.9850, 10.2726, 48.9683



9.2798, 9.3611, 11.9900



7.3845, 3.0929, 32.6007



0.3576, 0.1564, 1.2802

Inverse Universe

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



25.1506, 12.4845, 22.9107



44.9333, 22.3153, 40.4468



18.9896, 36.8036, 6.1029



9.8040, 9.6459, 11.3570



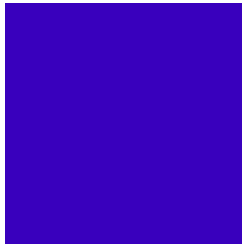
16.9572, 8.4140, 15.5999



0.6919, 0.3407, 0.7569

Previews

White Background



This preview shows how the XYZ color 10.8727, 4.5440, 48.4481 looks on a white background.

Color Contrast Check

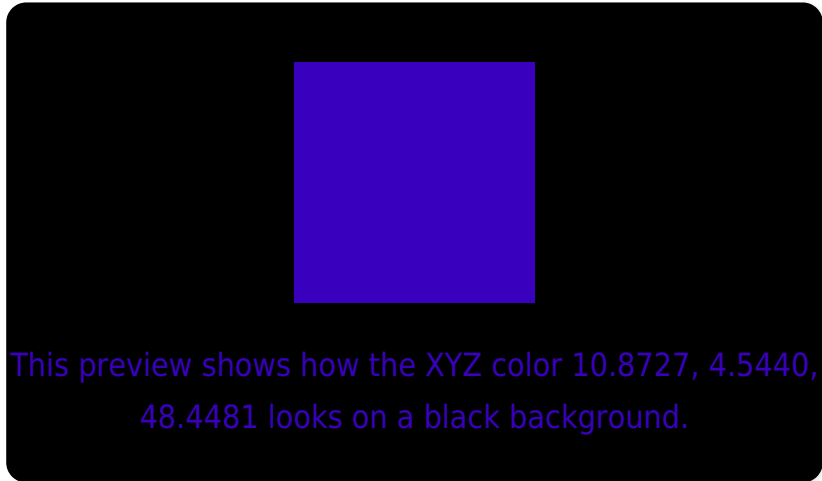
Large Text (above 18pt) WCAG AA ✓ Pass

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

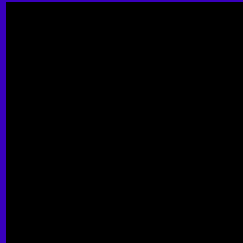
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.8727, 4.5440, 48.4481

Background



This preview shows how black text looks on a background with the XYZ color 10.8727, 4.5440, 48.4481.



This preview shows how white text looks on a background with the XYZ color 10.8727, 4.5440,

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

10.8727, 4.5440, 48.4481

Protanopia

5.4466, 4.7640, 20.7112

Deuteranopia

4.5971, 4.8633, 14.8838



Tritanopia

3.4262, 4.8747, 7.2389

Trichromacy



Original Color

10.8727, 4.5440, 48.4481

Protanomaly

6.5074, 3.7477, 29.2346

Deuteranomaly

5.6176, 3.5514, 24.0563

Tritanomaly

4.4000, 3.2972, 16.9275

Monochromacy



Original Color

10.8727, 4.5440, 48.4481

Achromatopsia

1.9284, 2.0289, 2.2094

Achromatomaly

3.4947, 2.0843, 10.8078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.8727, 4.5440, 48.4481 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(57, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(57, 0, 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(57, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 0, 189) }
```

Border

The CSS property to change the border of an element to XYZ 10.8727, 4.5440, 48.4481 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(57, 0, 189) }
```


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

```
.border{ border-color:rgb(57, 0, 189) }
```

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

Here you see how a box with a 4 pixel rgb(57, 0, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(57, 0, 189)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.8727, 4.5440, 48.4481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 0, 189) }
```

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

```
.background{ background-color: rgb(57, 0,  
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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