

# Converting Colors

XYZ(10.8832, 4.5532, 48.2788)

Have a look what the booklet for  
XYZ(10.8832, 4.5532, 48.2788)  
contains.

<b>XYZ(10.9302, 4.5737, 48.4508)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(10.9302, 4.5737,  
48.4508)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3A00BD
RGB	58, 0, 189
RGB Percent	23%, 0%, 74%
CMY	0.7725, 1.0000, 0.2588
CMYK	0.69, 1.00, 0.00, 0.26
HSL	258°, 100%, 37%
HSV	258°, 100%, 74%
XYZ	10.9302, 4.5737, 48.4508
YIQ	38.8880, -26.1010, 71.0750

# Conversions

## Conversions Part 2

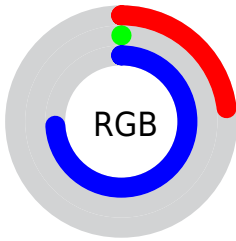
Format	Color
<a href="#">RYB</a>	58, 0, 189
Decimal	3801277
CIELab	25.48, 64.34, -81.17
CIELCh	25, 103.571, 308.402
Yxy	4.5737, 0.1709, 0.0715
Android (android.graphics.Color)	4281991357 (0xFF3A00BD)
YUV	38.8880, 74.0052, 16.7612
Hunter-Lab	21.3862, 53.8030, -119.3521

# Details

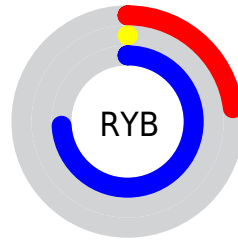
The XYZ color **10.9302, 4.5737, 48.4508** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **27.5567, 41.2200, 6.5039**, and the grayscale version is **1.8587, 1.9555, 2.1295**.

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 **10.9307, 4.5739, 48.4510**, and if you desaturate by 10%, it is **12.0229, 5.4801, 48.5683**.

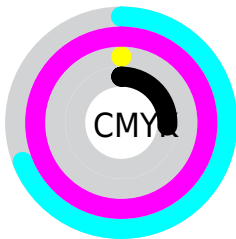
# Distribution



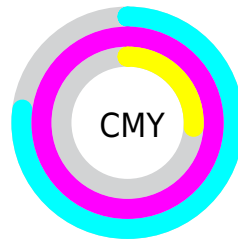
- Red (23%)
- Green (0%)
- Blue (74%)



- Red (23%)
- Yellow (0%)
- Blue (74%)



- Cyan (69%)
- Magenta (100%)
- Yellow (0%)
- Black (26%)




- Cyan (77%)
- Magenta (100%)
- Yellow (26%)
- Black (26%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9302, 4.5737, 48.4508 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 10.9302, 4.5737, 48.4508 by changing the saturation by 10% instead.





 10.9302, 4.5737,  
48.4508


 10.9302, 4.5737,  
48.4508


191.1062,  
145.6279, 397.1364

 6.0869, 1.9994,  
33.8215


 27.1651, 14.8906,  
89.2477

 2.9391, 0.6071,  
22.4803


 39.2874, 23.4020,  
116.2525


 1.1217, 0.0000,  
14.0085


 54.5667, 34.6611,  
148.2194

 0.0431, 0.0000,  
7.9878

 73.3684, 49.0525,  
185.5671

 0.0000, 0.0000,  
3.9995

 96.0579, 66.9605,  
228.7141


 0.0000, 0.0000,  
1.6251

 123.0004, 88.7695,

 0.0000, 0.0000,

278.0790


0.3086


 154.5614,  
114.8638, 334.0802

 0.0000, 0.0000,  
0.0000

 10.9302, 4.5737,  
48.4508


 10.9302, 4.5737,  
48.4508


 10.9307, 4.5739,  
48.4510

 12.0229, 5.4801,  
48.5683

 13.5467, 6.9419,  
48.7702

 15.5960, 9.1290,  
49.0843

 18.2231, 12.1291,  
49.5249

 21.4733, 16.0170,  
50.1041

■ 25.3868, 20.8587,  
50.8324

■ 30.0003, 26.7140,  
51.7194

■ 35.3479, 33.6374,  
52.7739

■ 41.4610, 41.6797,  
54.0040

# Harmonies

## Analogous

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



5.5469, 4.5737, 71.6793



10.9302, 4.5737, 48.4508



15.8323, 4.5737, 17.9421

# Triad

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



10.9302, 4.5737, 48.4508



7.7627, 4.5737, 0.0000



0.1803, 4.5737, 8.8570

# Complementary

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



10.9302, 4.5737, 48.4508



27.5567, 41.2200, 6.5039

# 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.



0.3307, 4.5737, 0.4065



10.9302, 4.5737, 48.4508



3.3342, 4.5737, 0.0000

# Square

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



10.9302, 4.5737, 48.4508



13.3607, 4.5737, 0.0000



1.1407, 4.5737, 0.0000



0.7001, 4.5737, 34.1303



# Rectangle

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



10.9302, 4.5737, 48.4508



17.1139, 4.5737, 5.6080



1.1407, 4.5737, 0.0000



0.1541, 4.5737, 4.4007

# Sweetspot

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



10.9307, 4.5739, 48.4510



53.3044, 47.2985, 92.5463



17.4774, 20.2582, 51.1333



10.6857, 9.1798, 19.7513



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.



10.9307, 4.5739, 48.4510



19.3630, 8.0816, 86.7656



21.9850, 10.2726, 48.9683



9.2845, 9.3636, 11.9902



7.4239, 3.1132, 32.6025



0.3596, 0.1574, 1.2803



# Inverse Universe

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



25.0826, 12.4574, 22.5528



44.8107, 22.2662, 39.8013



18.9896, 36.8036, 6.1029



9.8019, 9.6450, 11.3456



16.9117, 8.3958, 15.3605

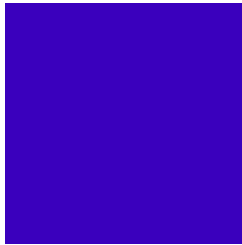


0.6904, 0.3401, 0.7489



# Previews

## White Background



This preview shows how the XYZ color 10.9302, 4.5737, 48.4508 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

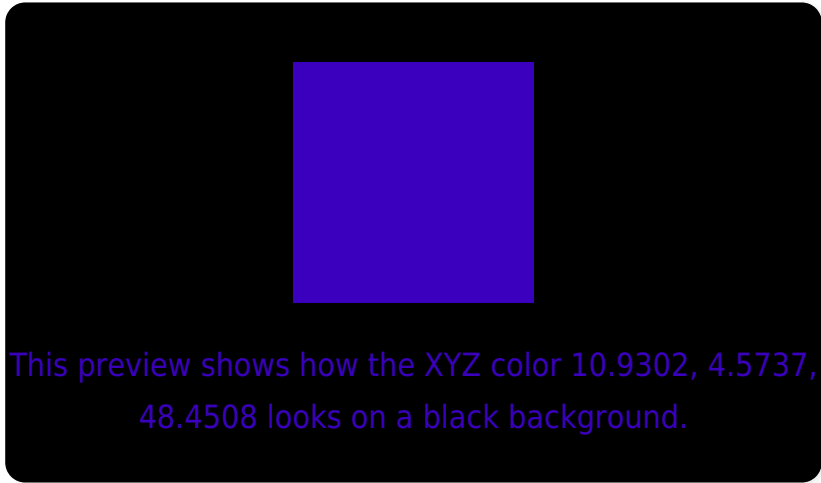
Any Text WCAG AA ✓ Pass

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

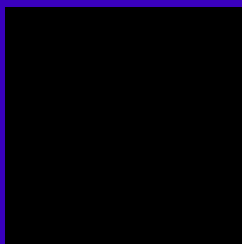
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 10.9302, 4.5737, 48.4508**

## **Background**



This preview shows how black text looks on a background with the XYZ color 10.9302, 4.5737, 48.4508.



This preview shows how white text looks on a background with the XYZ color 10.9302, 4.5737,



# 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

10.9302, 4.5737, 48.4508

### Protanopia

5.4995, 4.8698, 20.7288

### Deuteranopia

4.5971, 4.8633, 14.8838



## Tritanopia

3.4262, 4.8747, 7.2389

# Trichromacy



## Original Color

10.9302, 4.5737, 48.4508

## Protanomaly

6.5398, 3.8125, 29.2454

## Deuteranomaly

5.6176, 3.5514, 24.0563

## Tritanomaly

4.4000, 3.2972, 16.9275

# Monochromacy



## Original Color

10.9302, 4.5737, 48.4508

## 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 10.9302, 4.5737, 48.4508 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(58, 0, 189)` looks like.

```
.text, #text, p{  
    color:rgb(58, 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(58, 0, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 0, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 10.9302, 4.5737, 48.4508 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(58, 0, 189) }
```



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

```
.border{ border-color:rgb(58, 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(58, 0, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 0, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 0, 189);  
box-shadow:4px 4px 4px 4px rgb(58, 0, 189)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 10.9302, 4.5737, 48.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 0, 189) }
```

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

```
.background{ background-color: rgb(58, 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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