

Converting Colors

XYZ(11.8852, 5.5474, 48.5890)

Have a look what the booklet for
XYZ(11.8852, 5.5474, 48.5890)
contains.

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Color

**XYZ(11.8958, 5.5563,
48.5896)**

Conversions

Conversions Part 1

Format	Color
Hex	4418BD
RGB	68, 24, 189
RGB Percent	27%, 9%, 74%
CMY	0.7333, 0.9059, 0.2588
CMYK	0.64, 0.87, 0.00, 0.26
HSL	256°, 77%, 42%
HSV	256°, 87%, 74%
XYZ	11.8958, 5.5563, 48.5896
YIQ	55.9660, -26.7410, 60.6430

Conversions

Conversions Part 2

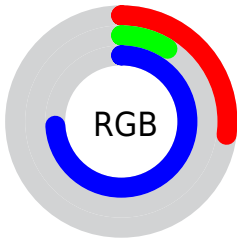
Format	Color
R_{YB}	68, 24, 189
Decimal	4462781
CIE _{Lab}	28.26, 59.31, -76.52
CIE _{LCh}	28, 96.813, 307.780
Yxy	5.5563, 0.1801, 0.0841
Android (android.graphics.Color)	4282652861 (0xFF4418BD)
YUV	55.9660, 65.5858, 10.5538
Hunter-Lab	23.5718, 48.8316, -105.7168

Details

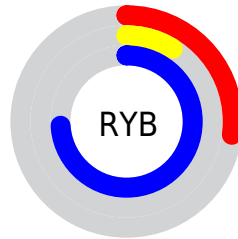
The XYZ color **11.8958, 5.5563, 48.5896** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **30.0377, 42.4800, 7.4802**, and the grayscale version is **3.6756, 3.8670, 4.2111**.

A 20% lighter version of the original color is **29.0286, 17.0697, 89.7605**, and **4.3031, 1.7212, 22.6597** is the 20% darker color. If you saturate the color by 10%, you get **10.7699, 4.5731, 48.4593**, and if you desaturate by 10%, it is **13.5134, 7.1821, 48.8183**.

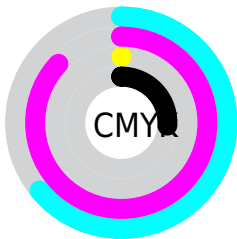
Distribution



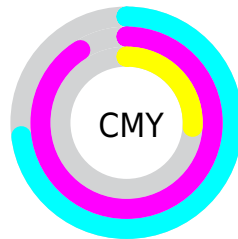
- Red (27%)
- Green (9%)
- Blue (74%)



- Red (27%)
- Yellow (9%)
- Blue (74%)



- Cyan (64%)
- Magenta (87%)
- Yellow (0%)
- Black (26%)



- Cyan (73%)
- Magenta (91%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8958, 5.5563, 48.5896 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 11.8958, 5.5563, 48.5896 by changing the saturation by 10% instead.

■ 11.8958, 5.5563,
48.5896

■ 11.8958, 5.5563,
48.5896

197.4983,
155.0627, 397.7003

■ 6.7445, 2.5772,
33.9307

■ 28.9237, 17.0034,
89.4563

■ 3.3477, 0.9152,
22.5635

■ 41.5309, 26.2401,
116.5012

■ 1.3402, 0.0000,
14.0692

■ 57.3542, 38.3315,
148.5118

■ 0.2130, 0.0000,
8.0295

■ 76.7589, 53.6620,
185.9068

■ 0.0000, 0.0000,
4.0258

■ 100.1102, 72.6160,
229.1046


■ 0.0000, 0.0000,
1.6395


■ 127.7737, 95.5779,

■ 0.0000, 0.0000,

278.5237


0.3188


 160.1146,
122.9319, 334.5828


 0.0000, 0.0000,
0.0000

 11.8958, 5.5563,
48.5896


 11.8958, 5.5563,
48.5896


 10.7699, 4.5731,
48.4593


 13.5134, 7.1821,
48.8183

 10.5211, 4.3627,
48.4319

 15.6918, 9.5690,
49.1642

 18.4838, 12.8021,
49.6411

 21.9356, 16.9547,
50.2607

 26.0882, 22.0918,
51.0334

■ 30.9795, 28.2727,
51.9687

■ 36.6444, 35.5517,
53.0751

■ 43.1155, 43.9794,
54.3607

■ 50.4236, 53.6031,
55.8331

Harmonies

Analogous

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



6.4458, 5.5563, 69.5452



11.8958, 5.5563, 48.5896



16.7665, 5.5563, 19.6013

Triad

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



11.8958, 5.5563, 48.5896



8.9419, 5.5563, 0.0000



0.6324, 5.5563, 9.7324

Complementary

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



11.8958, 5.5563, 48.5896



30.0377, 42.4800, 7.4802

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.



0.7862, 5.5563, 0.8474



11.8958, 5.5563, 48.5896



4.2659, 5.5563, 0.0000

Square

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



11.8958, 5.5563, 48.5896



14.5239, 5.5563, 0.0000



1.7284, 5.5563, 0.0000



1.1347, 5.5563, 33.9562

Rectangle

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



11.8958, 5.5563, 48.5896



18.0758, 5.5563, 6.9863



1.7284, 5.5563, 0.0000



0.6125, 5.5563, 5.2011

Sweetspot

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



11.8962, 5.5564, 48.5898



56.3283, 51.7132, 93.2390



19.6872, 24.1188, 51.7621



11.4190, 10.2370, 19.9167



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.



11.8962, 5.5564, 48.5898



18.6504, 7.7143, 86.7322



22.1816, 10.8587, 49.0711



9.2488, 9.3451, 11.9885



7.1420, 2.9679, 32.5893



0.3442, 0.1495, 1.2796

Inverse Universe

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



26.4229, 13.5159, 27.9999



45.7744, 22.6517, 44.8761



20.3804, 37.5015, 7.0283



9.8184, 9.6516, 11.4326



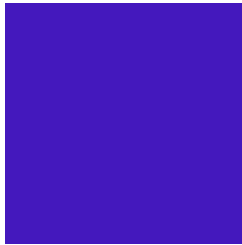
17.2686, 8.5386, 17.2398



0.7022, 0.3448, 0.8109

Previews

White Background



This preview shows how the XYZ color 11.8958, 5.5563, 48.5896 looks on a white background.

Color Contrast Check

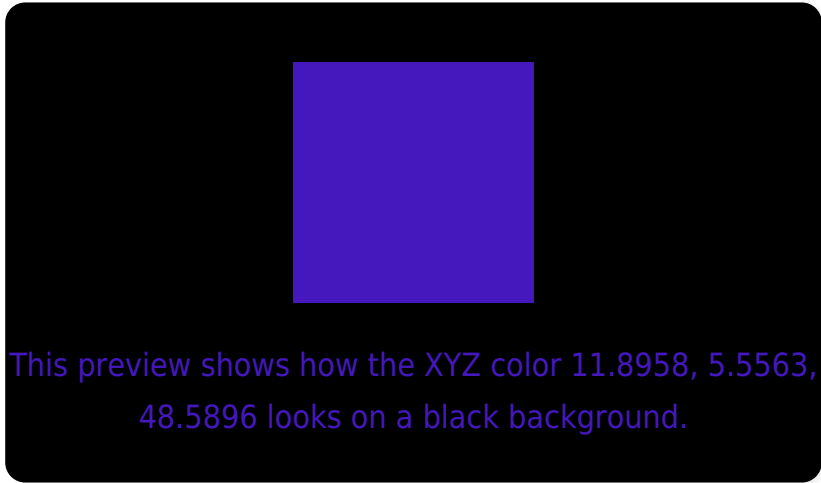
Large Text (above 18pt) WCAG AA ✓ Pass

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

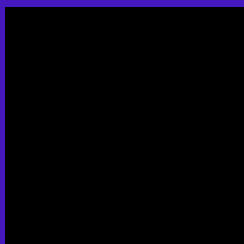
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8958, 5.5563, 48.5896

Background



This preview shows how black text looks on a background with the XYZ color 11.8958, 5.5563, 48.5896.



This preview shows how white text looks on a background with the XYZ color 11.8958, 5.5563,

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

11.8958, 5.5563, 48.5896

Protanopia

6.3342, 5.5582, 24.0315

Deuteranopia

5.2805, 5.5172, 17.3096



Tritanopia

3.9640, 5.6113, 8.4636

Trichromacy



Original Color

11.8958, 5.5563, 48.5896

Protanomaly

7.4579, 4.8544, 31.5543

Deuteranomaly

6.6319, 4.7360, 26.5512

Tritanomaly

5.2052, 4.3911, 18.3425

Monochromacy



Original Color

11.8958, 5.5563, 48.5896

Achromatopsia

3.7589, 3.9546, 4.3066

Achromatomaly

5.2629, 3.7615, 13.5454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8958, 5.5563, 48.5896 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(68, 24, 189)` looks like.

```
.text, #text, p{  
    color:rgb(68, 24, 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(68, 24, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 24, 189) }
```

Border

The CSS property to change the border of an element to XYZ 11.8958, 5.5563, 48.5896 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(68, 24, 189) }
```


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

```
.border{ border-color:rgb(68, 24, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 24, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 24, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 24, 189);  
box-shadow:4px 4px 4px 4px rgb(68, 24,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8958, 5.5563, 48.5896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 24, 189) }
```

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

```
.background{ background-color: rgb(68, 24,  
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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