

Converting Colors

XYZ(11.7393, 10.5462, 29.8511)

Have a look what the booklet for
XYZ(11.7393, 10.5462, 29.8511)
contains.

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Color

**XYZ(11.8162, 10.6452,
29.8657)**

Conversions

Conversions Part 1

Format	Color
Hex	4B5895
RGB	75, 88, 149
RGB Percent	29%, 35%, 58%
CMY	0.7059, 0.6549, 0.4157
CMYK	0.50, 0.41, 0.00, 0.42
HSL	229°, 33%, 44%
HSV	229°, 50%, 58%
XYZ	11.8162, 10.6452, 29.8657
YIQ	91.0670, -27.3290, 16.2150

Conversions

Conversions Part 2

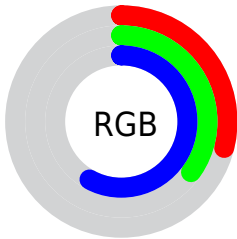
Format	Color
R_{YB}	75, 86, 149
Decimal	4937877
CIE _{Lab}	38.98, 12.58, -35.16
CIE _{LCh}	39, 37.343, 289.684
Yxy	10.6452, 0.2258, 0.2034
Android (android.graphics.Color)	4283127957 (0xFF4B5895)
YUV	91.0670, 28.5610, -14.0908
Hunter-Lab	32.6270, 7.5484, -31.4333

Details

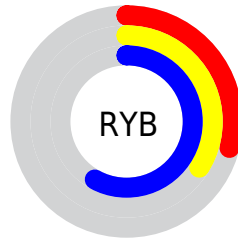
The XYZ color **11.8162, 10.6452, 29.8657** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.4693, 24.5069, 10.2033**, and the grayscale version is **9.9011, 10.4167, 11.3438**.

A 20% lighter version of the original color is **28.8896, 27.1258, 60.8399**, and **3.3179, 2.7382, 11.9089** is the 20% darker color. If you saturate the color by 10%, you get **9.8597, 8.2640, 29.5094**, and if you desaturate by 10%, it is **14.2164, 13.5077, 30.2919**.

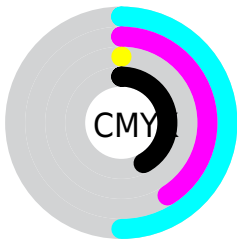
Distribution



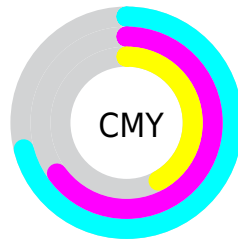
- Red (29%)
- Green (35%)
- Blue (58%)



- Red (29%)
- Yellow (34%)
- Blue (58%)



- Cyan (50%)
- Magenta (41%)
- Yellow (0%)
- Black (42%)



- Cyan (71%)
- Magenta (65%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8162, 10.6452, 29.8657 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 11.8162, 10.6452, 29.8657 by changing the saturation by 10% instead.

■ 11.8162, 10.6452,
29.8657

■ 11.8162, 10.6452,
29.8657

196.9795,
195.2170, 315.4657

■ 6.6900, 5.8288,
19.4855

■ 28.7797, 27.0022,
60.5082

■ 3.3136, 2.7413,
11.8412

■ 41.3476, 39.3116,
81.6076

■ 1.3217, 0.9982,
6.5144

■ 57.1268, 54.8874,
107.1171

■ 0.1994, 0.0000,
3.0865

■ 76.4827, 74.1140,
137.4553

■ 0.0000, 0.0000,
1.1390

■ 99.7805, 97.3759,
173.0408

■ 0.0000, 0.0000,
0.0000

127.3857,

125.0575, 214.2919

159.6636,
157.5430, 261.6274

■ 11.8162, 10.6452,
29.8657

■ 11.8162, 10.6452,
29.8657

■ 9.8597, 8.2640,
29.5094

■ 14.2164, 13.5077,
30.2919

■ 8.3177, 6.3359,
29.2185

■ 17.0845, 16.8752,
30.7908

■ 7.1597, 4.8315,
28.9892

■ 20.4442, 20.7711,
31.3657

■ 6.3497, 3.7174,
28.8168

■ 24.3175, 25.2171,
32.0197

■ 5.8137, 2.9382,
28.6947

■ 28.7248, 30.2337,
32.7557

■ 5.7981, 2.9163,
28.6913

■ 33.6855, 35.8401,
33.5764

■ 39.2181, 42.0549,
34.4844

■ 45.3401, 48.8956,
35.4821

■ 52.0683, 56.3793,
36.5720

Harmonies

Analogous

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



9.2853, 10.6452, 30.9674



11.8162, 10.6452, 29.8657



14.2210, 10.6452, 22.9053

Triad

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



11.8162, 10.6452, 29.8657



13.5390, 10.6452, 3.9689



6.1038, 10.6452, 9.3067

Complementary

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



11.8162, 10.6452, 29.8657



22.4693, 24.5069, 10.2033

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.



6.8914, 10.6452, 4.7948



11.8162, 10.6452, 29.8657



10.9989, 10.6452, 2.6621

Square

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



11.8162, 10.6452, 29.8657



15.3231, 10.6452, 7.5617



8.5907, 10.6452, 2.8852



6.2493, 10.6452, 16.8447

Rectangle

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



11.8162, 10.6452, 29.8657



15.2993, 10.6452, 17.0273



8.5907, 10.6452, 2.8852



6.2624, 10.6452, 7.4555

Sweetspot

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



11.8166, 10.6456, 29.8660



39.5201, 40.5445, 56.6642



18.0533, 24.7526, 26.9086



8.4725, 8.6567, 12.5092



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



11.8166, 10.6456, 29.8660



17.1803, 14.2105, 52.7586



13.0254, 9.8236, 29.6436



5.5770, 5.7880, 7.2930



4.8962, 2.4873, 24.1531



0.0753, 0.0612, 0.3008

Inverse Universe

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



16.6723, 12.1269, 10.6947



27.0892, 17.7045, 13.5310



20.5583, 26.4060, 10.6706



5.8399, 5.8310, 6.2632



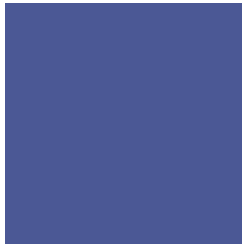
10.5985, 5.4444, 1.3666



0.1375, 0.0697, 0.0577

Previews

White Background



This preview shows how the XYZ color 11.8162, 10.6452, 29.8657 looks on a white background.

Color Contrast Check

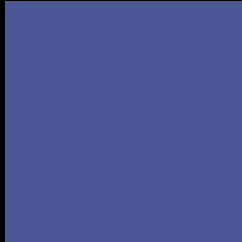
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 11.8162, 10.6452, 29.8657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

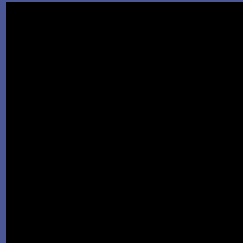
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8162, 10.6452, 29.8657

Background



This preview shows how black text looks on a background with the XYZ color 11.8162, 10.6452, 29.8657.



This preview shows how white text looks on a background with the XYZ color 11.8162, 10.6452,

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

11.8162, 10.6452, 29.8657

Protanopia

11.4759, 10.7076, 30.3161

Deuteranopia

10.9174, 10.6920, 29.5053



Tritanopia

8.7490, 10.5614, 14.9420

Trichromacy



Original Color

11.8162, 10.6452, 29.8657

Protanomaly

11.6032, 10.6489, 30.2980

Deuteranomaly

11.2007, 10.7103, 29.4939

Tritanomaly

9.7007, 10.5441, 19.6131

Monochromacy



Original Color

11.8162, 10.6452, 29.8657

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

10.3271, 10.4135, 16.7949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8162, 10.6452, 29.8657 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(75, 88, 149)` looks like.

```
.text, #text, p{  
    color:rgb(75, 88, 149)  
}
```

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(75, 88, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 88, 149) }
```

Border

The CSS property to change the border of an element to XYZ 11.8162, 10.6452, 29.8657 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(75, 88, 149) }
```


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

```
.border{ border-color:rgb(75, 88, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 88, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 88, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 88, 149);  
box-shadow:4px 4px 4px 4px rgb(75, 88,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8162, 10.6452, 29.8657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 88, 149) }
```

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

```
.background{ background-color: rgb(75, 88,  
149) }
```

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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