

Converting Colors

XYZ(11.8785, 11.7159, 35.8178)

Have a look what the booklet for
XYZ(11.8785, 11.7159, 35.8178)
contains.

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Color

**XYZ(11.8785, 11.7159,
35.8178)**

Conversions

Conversions Part 1

Format	Color
Hex	2D61A2
RGB	45, 97, 162
RGB Percent	18%, 38%, 64%
CMY	0.8235, 0.6196, 0.3647
CMYK	0.72, 0.40, 0.00, 0.36
HSL	213°, 57%, 41%
HSV	213°, 72%, 64%
XYZ	11.8785, 11.7159, 35.8178
YIQ	88.8620, -51.8570, 9.1910

Conversions

Conversions Part 2

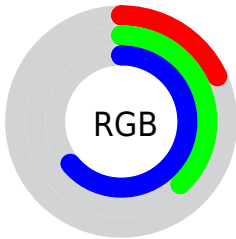
Format	Color
R _Y B	45, 81, 162
Decimal	2974114
CIE Lab	40.76, 5.32, -40.20
CIE LCh	41, 40.550, 277.544
Yxy	11.7159, 0.1999, 0.1972
Android (android.graphics.Color)	4281164194 (0xFF2D61A2)
YUV	88.8620, 36.0570, -38.4670
Hunter-Lab	34.2285, 2.0459, -38.0830

Details

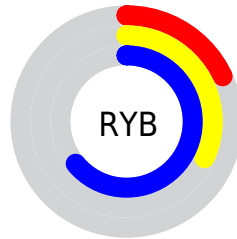
The XYZ color **11.8785, 11.7159, 35.8178** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.9511, 19.0246, 5.0514**, and the grayscale version is **9.3968, 9.8862, 10.7661**.

A 20% lighter version of the original color is **28.7838, 28.8804, 69.7031**, and **3.9983, 3.4934, 15.2154** is the 20% darker color. If you saturate the color by 10%, you get **10.5127, 9.8466, 35.5292**, and if you desaturate by 10%, it is **13.6132, 13.9157, 36.1512**.

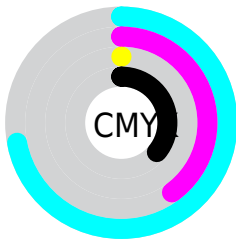
Distribution



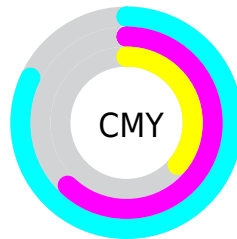
- Red (18%)
- Green (38%)
- Blue (64%)



- Red (18%)
- Yellow (32%)
- Blue (64%)



- Cyan (72%)
- Magenta (40%)
- Yellow (0%)
- Black (36%)



- Cyan (82%)
- Magenta (62%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8785, 11.7159, 35.8178 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 11.8785, 11.7159, 35.8178 by changing the saturation by 10% instead.

■ 11.8785, 11.7159,
35.8178

■ 11.8785, 11.7159,
35.8178

■ 197.3856,
202.5153, 343.1768

■ 6.7326, 6.5505,
24.0049

■ 28.8924, 28.9766,
69.9166

■ 3.3403, 3.1826,
15.1250

■ 41.4911, 41.8407,
93.0397

■ 1.3362, 1.2278,
8.7596

■ 57.3048, 58.0399,
120.7699

■ 0.2100, 0.0842,
4.4900

■ 76.6989, 77.9585,
153.5257

■ 0.0000, 0.0000,
1.8978

■ 100.0386,
101.9810, 191.7258

■ 0.0000, 0.0000,
0.4914

■ 127.6894,

■ 0.0000, 0.0000,

130.4917, 235.7886

0.0000

160.0167,
163.8750, 286.1328

■ 11.8785, 11.7159,
35.8178

■ 11.8785, 11.7159,
35.8178

■ 10.5127, 9.8466,
35.5292

■ 13.6132, 13.9157,
36.1512

■ 9.4779, 8.2832,
35.2820

■ 15.7463, 16.4654,
36.5310

■ 8.8387, 7.2427,
35.1149

■ 18.3057, 19.3837,
36.9593

■ 21.3163, 22.6874,
37.4383

■ 24.8007, 26.3921,
37.9698

■ 28.7802, 30.5126,
38.5554

■ 33.2745, 35.0627,
39.1968

■ 38.3023, 40.0555,
39.8955

■ 43.8812, 45.5036,
40.6530

Harmonies

Analogous

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



9.1518, 11.7159, 33.7395



11.8785, 11.7159, 35.8178



14.8619, 11.7159, 29.9124

Triad

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



11.8785, 11.7159, 35.8178



16.1279, 11.7159, 5.3282



6.7624, 11.7159, 7.6077

Complementary

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



11.8785, 11.7159, 35.8178



20.9511, 19.0246, 5.0514

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.



8.0909, 11.7159, 3.8620



11.8785, 11.7159, 35.8178



13.3872, 11.7159, 2.9973

Square

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



11.8785, 11.7159, 35.8178



17.5758, 11.7159, 10.7859



10.4244, 11.7159, 2.6098



6.4991, 11.7159, 14.9539

Rectangle

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



11.8785, 11.7159, 35.8178



16.4915, 11.7159, 23.2988



10.4244, 11.7159, 2.6098



7.0865, 11.7159, 5.9989

Sweetspot

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



11.8790, 11.7163, 35.8181



44.8873, 47.7697, 68.9108



16.7824, 27.5107, 18.9937



9.6998, 10.3270, 15.4196



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



11.8790, 11.7163, 35.8181



17.8109, 15.9871, 64.2032



8.8185, 5.1862, 34.7190



6.9474, 7.3539, 8.9563



7.0050, 5.7894, 27.6780



0.1941, 0.2154, 0.5972

Inverse Universe

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



17.9968, 10.4220, 12.3726



30.2334, 15.8643, 16.0344



27.1338, 33.1134, 7.4449



7.1984, 7.1358, 8.0314



12.6813, 6.4286, 5.5122



0.2901, 0.1445, 0.2404

Previews

White Background



This preview shows how the XYZ color 11.8785, 11.7159, 35.8178 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 11.8785, 11.7159, 35.8178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

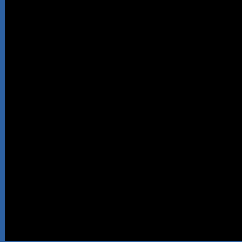
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.8785, 11.7159, 35.8178

Background



This preview shows how black text looks on a background with the XYZ color 11.8785, 11.7159, 35.8178.



This preview shows how white text looks on a background with the XYZ color 11.8785, 11.7159,

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

11.8785, 11.7159, 35.8178

Protanopia

12.7150, 11.7738, 34.4033

Deuteranopia

12.0152, 11.7864, 35.8242



Tritanopia

8.2485, 11.5459, 18.0135

Trichromacy



Original Color

11.8785, 11.7159, 35.8178

Protanomaly

12.3009, 11.6831, 34.8645

Deuteranomaly

11.9686, 11.7624, 35.8220

Tritanomaly

9.2288, 11.4766, 23.5586

Monochromacy



Original Color

11.8785, 11.7159, 35.8178

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.7272, 10.3317, 18.0045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8785, 11.7159, 35.8178 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(45, 97, 162)` looks like.

```
.text, #text, p{  
    color:rgb(45, 97, 162)  
}
```

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(45, 97, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 97, 162) }
```

Border

The CSS property to change the border of an element to XYZ 11.8785, 11.7159, 35.8178 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(45, 97, 162) }
```


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

```
.border{ border-color:rgb(45, 97, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 97, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 97, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 97, 162);  
box-shadow:4px 4px 4px 4px rgb(45, 97,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8785, 11.7159, 35.8178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 97, 162) }
```

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

```
.background{ background-color: rgb(45, 97,  
162) }
```

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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