

Converting Colors

XYZ(18.6917, 11.1084, 74.8625)

Have a look what the booklet for
XYZ(18.6917, 11.1084, 74.8625)
contains.

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Color

**XYZ(18.5965, 11.0378,
74.5491)**

Conversions

Conversions Part 1

Format	Color
Hex	4644E4
RGB	70, 68, 228
RGB Percent	27%, 27%, 89%
CMY	0.7255, 0.7333, 0.1059
CMYK	0.69, 0.70, 0.00, 0.11
HSL	241°, 75%, 58%
HSV	241°, 70%, 89%
XYZ	18.5965, 11.0378, 74.5491
YIQ	86.8380, -50.1680, 50.1840

Conversions

Conversions Part 2

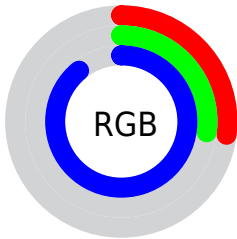
Format	Color
R _Y B	70, 68, 228
Decimal	4605156
CIE Lab	39.64, 50.42, -80.34
CIE LCh	40, 94.851, 302.115
Yxy	11.0378, 0.1785, 0.1059
Android (android.graphics.Color)	4282795236 (0xFF4644E4)
YUV	86.8380, 69.5929, -14.7669
Hunter-Lab	33.2232, 41.7738, -109.7839

Details

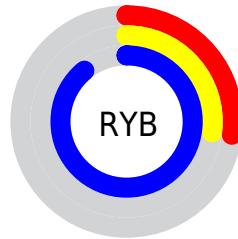
The XYZ color **18.5965, 11.0378, 74.5491** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **60.1475, 72.0714, 16.2097**, and the grayscale version is **8.8883, 9.3511, 10.1834**.

A 20% lighter version of the original color is **35.0097, 25.5801, 97.7000**, and **7.6376, 3.5141, 38.8038** is the 20% darker color. If you saturate the color by 10%, you get **16.1449, 8.1096, 74.1134**, and if you desaturate by 10%, it is **22.1937, 15.3516, 75.1925**.

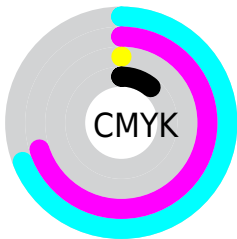
Distribution



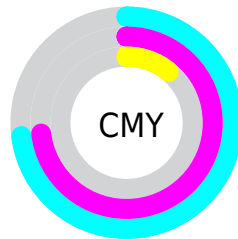
- Red (27%)
- Green (27%)
- Blue (89%)



- Red (27%)
- Yellow (27%)
- Blue (89%)



- Cyan (69%)
- Magenta (70%)
- Yellow (0%)
- Black (11%)



- Cyan (73%)
- Magenta (73%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5965, 11.0378, 74.5491 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 18.5965, 11.0378, 74.5491 by changing the saturation by 10% instead.

■ 18.5965, 11.0378,
74.5491

■ 18.5965, 11.0378,
74.5491

237.1932,
197.9267, 495.5803

■ 11.4814, 6.0923,
54.7441

■ 40.5733, 27.7300,
127.4151

■ 6.4613, 2.9013,
38.7996

■ 56.1657, 40.2455,
161.3132

■ 3.1708, 1.0804,
26.2973

■ 75.3146, 56.0532,
200.7460

■ 1.2447, 0.0000,
16.8184

■ 98.3852, 75.5373,
246.1321

■ 0.1413, 0.0000,
9.9445

■ 125.7431, 99.0823,
297.8901

■ 0.0000, 0.0000,
5.2571

157.7534,

■ 0.0000, 0.0000,

127.0726, 356.4384

2.3375

194.7817,
159.8926, 422.1956

■ 0.0000, 0.0000,
0.7521

■ 0.0000, 0.0000,
0.0000

■ 18.5965, 11.0378,
74.5491

■ 18.5965, 11.0378,
74.5491

■ 16.1449, 8.1096,
74.1134

■ 22.1937, 15.3516,
75.1925

■ 14.6987, 6.3971,
73.8591

■ 27.0509, 21.1931,
76.0640

■ 14.0395, 5.6199,
73.7439

■ 33.2711, 28.6874,
77.1827

■ 40.9460, 37.9464,
78.5654

■ 50.1594, 49.0725,
80.2273

■ 60.9888, 62.1601,
82.1827

■ 73.5063, 77.2972,
84.4447

■ 87.7799, 94.5667,
87.0258

■ 91.0036, 98.3815,
87.5922

Harmonies

Analogous

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



10.9571, 11.0378, 94.4247



18.5965, 11.0378, 74.5491



25.7860, 11.0378, 37.5874

Triad

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



18.5965, 11.0378, 74.5491



17.4555, 11.0378, 0.0000



2.3209, 11.0378, 13.3822

Complementary

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



18.5965, 11.0378, 74.5491



60.1475, 72.0714, 16.2097

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.



2.8872, 11.0378, 1.8673



18.5965, 11.0378, 74.5491



10.0385, 11.0378, 0.0000

Square

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



18.5965, 11.0378, 74.5491



24.9586, 11.0378, 1.2832



5.1679, 11.0378, 0.0000



3.0859, 11.0378, 42.6733

Rectangle

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



18.5965, 11.0378, 74.5491



28.2802, 11.0378, 17.6019



5.1679, 11.0378, 0.0000



2.3611, 11.0378, 7.7613

Sweetspot

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



18.5972, 11.0380, 74.5494



63.4321, 61.7771, 103.1887



44.1310, 62.3174, 83.1016



12.8387, 12.3310, 21.9534



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



18.5972, 11.0380, 74.5494



19.8531, 9.3164, 95.3596



28.2834, 16.0314, 75.0027



13.5995, 13.8958, 18.1097



8.1143, 3.2490, 42.5826



0.6056, 0.2432, 3.1470

Inverse Universe

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



47.7881, 26.1185, 74.4665



59.6455, 29.8799, 94.9751



40.9995, 62.2002, 15.3136



14.9869, 14.6120, 18.1315



26.3369, 12.6690, 42.2647



1.9487, 0.9372, 3.1366

Previews

White Background



This preview shows how the XYZ color 18.5965, 11.0378, 74.5491 looks on a white background.

Color Contrast Check

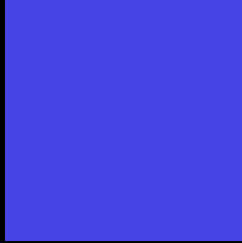
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5965, 11.0378, 74.5491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

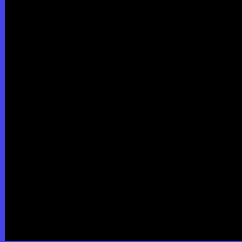
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5965, 11.0378, 74.5491

Background



This preview shows how black text looks on a background with the XYZ color 18.5965, 11.0378, 74.5491.



This preview shows how white text looks on a background with the XYZ color 18.5965, 11.0378,

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

18.5965, 11.0378, 74.5491

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

10.5252, 10.7576, 35.2399



Tritanopia

7.6647, 10.8263, 16.4376

Trichromacy



Original Color

18.5965, 11.0378, 74.5491

Protanomaly

14.1228, 10.4033, 57.7636

Deuteranomaly

12.4064, 10.2065, 47.2151

Tritanomaly

9.8068, 9.8189, 31.5154

Monochromacy



Original Color

18.5965, 11.0378, 74.5491

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.8494, 9.3216, 25.2722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5965, 11.0378, 74.5491 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(70, 68, 228)` looks like.

```
.text, #text, p{  
    color:rgb(70, 68, 228)  
}
```

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(70, 68, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 68, 228) }
```

Border

The CSS property to change the border of an element to XYZ 18.5965, 11.0378, 74.5491 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(70, 68, 228) }
```


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

```
.border{ border-color:rgb(70, 68, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 68, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 68, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 68, 228);  
box-shadow:4px 4px 4px 4px rgb(70, 68,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5965, 11.0378, 74.5491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 68, 228) }
```

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

```
.background{ background-color: rgb(70, 68,  
228) }
```

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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