

Converting Colors

XYZ(11.4677, 11.9821, 18.6704)

Have a look what the booklet for
XYZ(11.4677, 11.9821, 18.6704)
contains.

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Color

**XYZ(11.5090, 12.0460,
18.5481)**

Conversions

Conversions Part 1

Format	Color
Hex	576275
RGB	87, 98, 117
RGB Percent	34%, 38%, 46%
CMY	0.6588, 0.6157, 0.5412
CMYK	0.26, 0.16, 0.00, 0.54
HSL	218°, 15%, 40%
HSV	218°, 26%, 46%
XYZ	11.5090, 12.0460, 18.5481
YIQ	96.8770, -12.6550, 3.5770

Conversions

Conversions Part 2

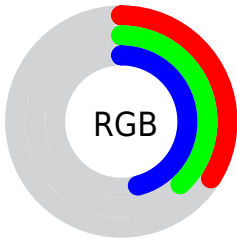
Format	Color
R_{YB}	87, 95, 117
Decimal	5726837
CIE Lab	41.29, 0.43, -12.09
CIE LCh	41, 12.102, 272.027
Yxy	12.0460, 0.2734, 0.2861
Android (android.graphics.Color)	4283916917 (0xFF576275)
YUV	96.8770, 9.9206, -8.6621
Hunter-Lab	34.7073, -1.5470, -7.3903

Details

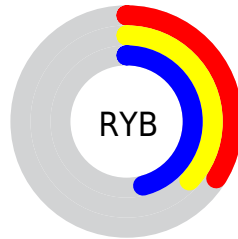
The XYZ color **11.5090, 12.0460, 18.5481** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.2104, 14.7778, 11.1204**, and the grayscale version is **11.3111, 11.9001, 12.9592**.

A 20% lighter version of the original color is **28.2254, 29.6778, 41.7769**, and **3.2166, 3.3571, 6.1087** is the 20% darker color. If you saturate the color by 10%, you get **9.8425, 10.2052, 18.2808**, and if you desaturate by 10%, it is **13.4175, 14.1074, 18.8456**.

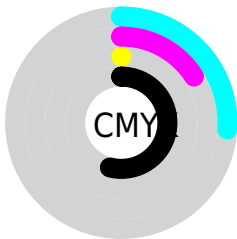
Distribution



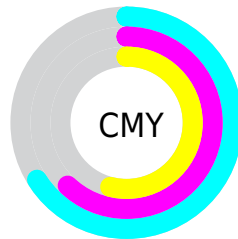
- Red (34%)
- Green (38%)
- Blue (46%)



- Red (34%)
- Yellow (37%)
- Blue (46%)



- Cyan (26%)
- Magenta (16%)
- Yellow (0%)
- Black (54%)



- Cyan (66%)
- Magenta (62%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.5090, 12.0460, 18.5481 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 11.5090, 12.0460, 18.5481 by changing the saturation by 10% instead.

■ 11.5090, 12.0460,
18.5481

■ 11.5090, 12.0460,
18.5481

194.9641,
204.7096, 256.2816

■ 6.4801, 6.7750,
11.1707

■ 28.2223, 29.5789,
41.7956

■ 3.1826, 3.3218,
6.0662

■ 40.6374, 42.6095,
58.5027

■ 1.2510, 1.3020,
2.8159

■ 56.2453, 58.9955,
79.1569

■ 0.1461, 0.1427,
1.0014

■ 75.4114, 79.1213,
104.1766

■ 0.0000, 0.0000,
0.0000

■ 98.5009, 103.3712,
133.9803

125.8793,

132.1296, 168.9867

157.9119,
165.7809, 209.6143

■ 11.5090, 12.0460,
18.5481

■ 11.5090, 12.0460,
18.5481

■ 9.8425, 10.2052,
18.2808

■ 13.4175, 14.1074,
18.8456

■ 8.4067, 8.5757,
18.0420

■ 15.5765, 16.3955,
19.1735

■ 7.1909, 7.1497,
17.8308

■ 17.9954, 18.9177,
19.5328

■ 6.1831, 5.9181,
17.6462

■ 20.6829, 21.6808,
19.9245

■ 5.3700, 4.8712,
17.4870

■ 23.6472, 24.6913,
20.3493

■ 4.7367, 3.9981,
17.3518

■ 26.8960, 27.9552,
20.8081

■ 4.2572, 3.2821,
17.2389

■ 30.4370, 31.4787,
21.3016

■ 4.0715, 3.0055,
17.1953

■ 34.2773, 35.2675,
21.8305

■ 38.4239, 39.3272,
22.3955

Harmonies

Analogous

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



10.6778, 12.0460, 17.8512



11.5090, 12.0460, 18.5481



12.3655, 12.0460, 17.6426

Triad

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



11.5090, 12.0460, 18.5481



12.9366, 12.0460, 10.7219



10.0261, 12.0460, 10.9822

Complementary

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



11.5090, 12.0460, 18.5481



14.2104, 14.7778, 11.1204

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.



10.5796, 12.0460, 9.4386



11.5090, 12.0460, 18.5481



12.2573, 12.0460, 9.3024

Square

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



11.5090, 12.0460, 18.5481



13.2154, 12.0460, 12.9463



11.3899, 12.0460, 8.8639



9.8481, 12.0460, 13.2873

Rectangle

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



11.5090, 12.0460, 18.5481



12.8283, 12.0460, 16.3116



11.3899, 12.0460, 8.8639



10.1730, 12.0460, 10.3677

Sweetspot

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



11.5094, 12.0465, 18.5484



26.8570, 28.2685, 34.1779



12.8675, 15.7792, 15.8674



6.0607, 6.3788, 7.8408



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



11.5094, 12.0465, 18.5484



18.7212, 19.4949, 32.9132



10.8845, 10.2997, 18.2441



3.6004, 3.7895, 4.6319



4.4718, 3.2834, 18.9406



21.0363, 14.4892, 92.0482

Inverse Universe

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



12.9492, 11.4803, 13.0893



21.8196, 18.4211, 21.1328



14.9563, 16.9548, 11.5013



3.7343, 3.7210, 4.1278



8.5543, 4.3554, 2.8612



41.3049, 21.0721, 11.9349

Previews

White Background



This preview shows how the XYZ color 11.5090, 12.0460, 18.5481 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 11.5090, 12.0460, 18.5481 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

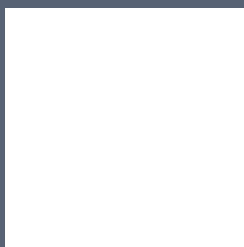
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.5090, 12.0460, 18.5481

Background



This preview shows how black text looks on a background with the XYZ color 11.5090, 12.0460, 18.5481.

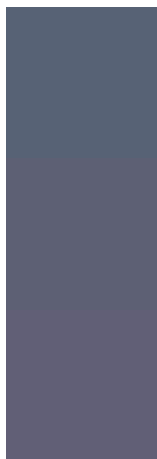


This preview shows how white text looks on a background with the XYZ color 11.5090, 12.0460,

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

11.5090, 12.0460, 18.5481

Protanopia

11.8495, 11.9539, 18.2058

Deuteranopia

12.2920, 12.0338, 18.8144



Tritanopia

11.0103, 12.1283, 15.9481

Trichromacy



Original Color

11.5090, 12.0460, 18.5481

Protanomaly

11.7415, 12.0345, 18.2270

Deuteranomaly

11.9671, 12.0009, 18.8252

Tritanomaly

11.1688, 12.0498, 16.7761

Monochromacy



Original Color

11.5090, 12.0460, 18.5481

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

11.2876, 11.8760, 14.7941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.5090, 12.0460, 18.5481 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(87, 98, 117) looks like.

```
.text, #text, p{  
    color:rgb(87, 98, 117)  
}
```

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(87, 98, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 98, 117) }
```

Border

The CSS property to change the border of an element to XYZ 11.5090, 12.0460, 18.5481 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(87, 98, 117) }
```


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

```
.border{ border-color:rgb(87, 98, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 98, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 98, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 98, 117);  
box-shadow:4px 4px 4px 4px rgb(87, 98,  
117) }
```

Background

The CSS property to change the background color of an element to XYZ 11.5090, 12.0460, 18.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 98, 117) }
```

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

```
.background{ background-color: rgb(87, 98,  
117) }
```

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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