

Converting Colors

XYZ(11.6550, 12.4326, 18.9251)

Have a look what the booklet for
XYZ(11.6550, 12.4326, 18.9251)
contains.

XYZ(11.6649, 12.4008, 18.9183)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(11.6649, 12.4008,
18.9183)**

Conversions

Conversions Part 1

Format	Color
Hex	566476
RGB	86, 100, 118
RGB Percent	34%, 39%, 46%
CMY	0.6627, 0.6078, 0.5373
CMYK	0.27, 0.15, 0.00, 0.54
HSL	214°, 16%, 40%
HSV	214°, 27%, 46%
XYZ	11.6649, 12.4008, 18.9183
YIQ	97.8660, -14.1220, 2.6300

Conversions

Conversions Part 2

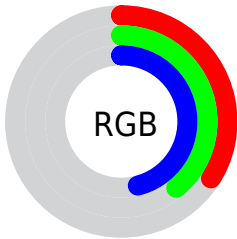
Format	Color
R_{YB}	86, 96, 118
Decimal	5661814
CIE Lab	41.85, -0.86, -11.87
CIE LCh	42, 11.898, 265.850
Yxy	12.4008, 0.2714, 0.2885
Android (android.graphics.Color)	4283851894 (0xFF566476)
YUV	97.8660, 9.9261, -10.4065
Hunter-Lab	35.2148, -2.4977, -7.2018

Details

The XYZ color **11.6649, 12.4008, 18.9183** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.1013, 14.4239, 10.8452**, and the grayscale version is **11.5551, 12.1568, 13.2388**.

A 20% lighter version of the original color is **28.4757, 30.2697, 42.3720**, and **3.2997, 3.5316, 6.3021** is the 20% darker color. If you saturate the color by 10%, you get **10.0561, 10.6649, 18.6682**, and if you desaturate by 10%, it is **13.5058, 14.3340, 19.1946**.

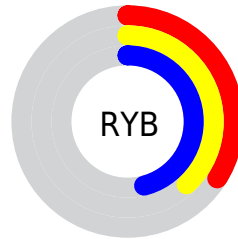
Distribution



Red (34%)

Green (39%)

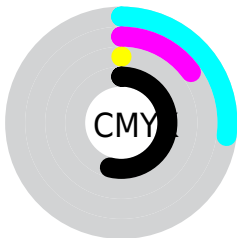
Blue (46%)



Red (34%)

Yellow (38%)

Blue (46%)

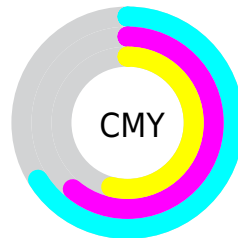


Cyan (27%)

Magenta (15%)

Yellow (0%)

Black (54%)



Cyan (66%)

Magenta (61%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6649, 12.4008, 18.9183 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 11.6649, 12.4008, 18.9183 by changing the saturation by 10% instead.

■ 11.6649, 12.4008,
18.9183

■ 11.6649, 12.4008,
18.9183

195.9896,
207.0409, 258.4050

■ 6.5865, 7.0173,
11.4350

■ 28.5055, 30.2230,
42.4309

■ 3.2489, 3.4729,
6.2424

■ 40.9984, 43.4305,
59.2972

■ 1.2867, 1.3833,
2.9219

■ 56.6935, 60.0147,
80.1284

■ 0.1732, 0.2044,
1.0549

■ 75.9562, 80.3600,
105.3429

■ 0.0000, 0.0000,
0.0000

■ 99.1517, 104.8510,
135.3593

126.6456,

133.8718, 170.5961

158.8031,
167.8070, 211.4718

■ 11.6649, 12.4008,
18.9183

■ 11.6649, 12.4008,
18.9183

■ 10.0561, 10.6649,
18.6682

■ 13.5058, 14.3340,
19.1946

■ 8.6681, 9.1177,
18.4427

■ 15.5869, 16.4695,
19.4971

■ 7.4906, 7.7522,
18.2413

■ 17.9176, 18.8141,
19.8268

■ 6.5117, 6.5605,
18.0628

■ 20.5061, 21.3737,
20.1845

■ 5.7184, 5.5337,
17.9064

■ 23.3605, 24.1542,
20.5707

■ 5.0957, 4.6620,
17.7710

■ 26.4883, 27.1609,
20.9862

■ 4.6107, 3.9260,
17.6545

■ 29.8969, 30.3992,
21.4316

■ 4.4816, 3.7312,
17.6237

■ 33.5933, 33.8741,
21.9075

■ 37.5842, 37.5906,
22.4145

Harmonies

Analogous

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



10.8645, 12.4008, 17.9093



11.6649, 12.4008, 18.9183



12.5377, 12.4008, 18.3348

Triad

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



11.6649, 12.4008, 18.9183



13.3712, 12.4008, 11.5031



10.4446, 12.4008, 10.9673

Complementary

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



11.6649, 12.4008, 18.9183



14.1013, 14.4239, 10.8452

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.



11.0661, 12.4008, 9.6037



11.6649, 12.4008, 18.9183



12.7594, 12.4008, 9.8850

Square

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



11.6649, 12.4008, 18.9183



13.5509, 12.4008, 13.8551



11.9091, 12.4008, 9.2334



10.1825, 12.4008, 13.1557

Rectangle

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



11.6649, 12.4008, 18.9183



13.0392, 12.4008, 17.1558



11.9091, 12.4008, 9.2334



10.6169, 12.4008, 10.4084

Sweetspot

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



11.6653, 12.4013, 18.9186



26.9902, 28.5350, 34.2223



12.7948, 15.9269, 15.3905



6.0957, 6.4488, 7.8524



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.



11.6653, 12.4013, 18.9186



18.5706, 19.7212, 32.9648



10.5847, 10.0190, 18.5157



3.6202, 3.8291, 4.6385



4.8363, 4.0123, 19.0621



22.7450, 17.9067, 92.6178

Inverse Universe

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



13.0995, 11.4275, 13.5725



21.6148, 17.8461, 21.5744



15.4141, 17.3694, 11.3445



3.7443, 3.7250, 4.1804



8.7383, 4.4290, 3.8300



42.1674, 21.4171, 16.4767

Previews

White Background



This preview shows how the XYZ color 11.6649, 12.4008, 18.9183 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 11.6649, 12.4008, 18.9183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

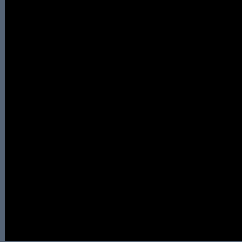
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

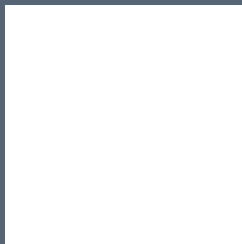
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 11.6649, 12.4008, 18.9183

Background



This preview shows how black text looks on a background with the XYZ color 11.6649, 12.4008, 18.9183.

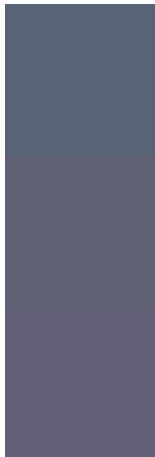


This preview shows how white text looks on a background with the XYZ color 11.6649, 12.4008,

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

11.6649, 12.4008, 18.9183

Protanopia

12.2394, 12.4292, 18.2770

Deuteranopia

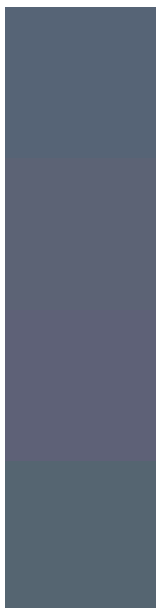
12.5496, 12.2943, 19.1644



Tritanopia

11.1243, 12.3180, 16.5431

Trichromacy



Original Color

11.6649, 12.4008, 18.9183

Protanomaly

12.0864, 12.4833, 18.6021

Deuteranomaly

12.2206, 12.2610, 19.1753

Tritanomaly

11.3806, 12.4309, 17.4224

Monochromacy



Original Color

11.6649, 12.4008, 18.9183

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.6277, 12.3233, 15.1304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6649, 12.4008, 18.9183 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(86, 100, 118) looks like.

```
.text, #text, p{  
    color:rgb(86, 100, 118)  
}
```

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(86, 100, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 100, 118) }
```

Border

The CSS property to change the border of an element to XYZ 11.6649, 12.4008, 18.9183 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(86, 100, 118) }
```


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

```
.border{ border-color:rgb(86, 100, 118) }
```

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

Here you see how a box with a 4 pixel rgb(86, 100, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 100, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 100, 118);  
box-shadow:4px 4px 4px 4px rgb(86, 100,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 11.6649, 12.4008, 18.9183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 100, 118) }
```

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

```
.background{ background-color: rgb(86, 100,  
118) }
```

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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