

Converting Colors

XYZ(11.7310, 13.9674, 18.2974)

Have a look what the booklet for
XYZ(11.7310, 13.9674, 18.2974)
contains.

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Color

**XYZ(11.7310, 13.9674,
18.2974)**

Conversions

Conversions Part 1

Format	Color
Hex	4D6E73
RGB	77, 110, 115
RGB Percent	30%, 43%, 45%
CMY	0.6980, 0.5686, 0.5490
CMYK	0.33, 0.04, 0.00, 0.55
HSL	188°, 20%, 38%
HSV	188°, 33%, 45%
XYZ	11.7310, 13.9674, 18.2974
YIQ	100.7030, -21.2730, -5.4410

Conversions

Conversions Part 2

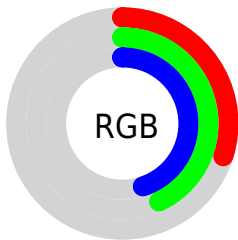
Format	Color
R_{YB}	77, 95, 115
Decimal	5074547
CIE _{Lab}	44.19, -10.48, -6.60
CIE _{LCh}	44, 12.383, 212.197
Yxy	13.9674, 0.2666, 0.3175
Android (android.graphics.Color)	4283264627 (0xFF4D6E73)
YUV	100.7030, 7.0484, -20.7875
Hunter-Lab	37.3730, -9.3734, -2.8666

Details

The XYZ color **11.7310, 13.9674, 18.2974** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.4273, 10.2155, 8.3910**, and the grayscale version is **12.2798, 12.9193, 14.0691**.

A 20% lighter version of the original color is **28.6478, 33.1427, 41.4465**, and **3.2424, 4.1117, 5.9329** is the 20% darker color. If you saturate the color by 10%, you get **10.7222, 13.2074, 18.2041**, and if you desaturate by 10%, it is **12.9075, 14.8187, 18.3999**.

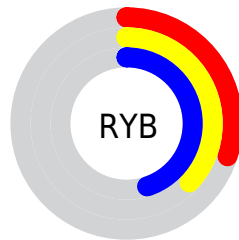
Distribution



Red (30%)

Green (43%)

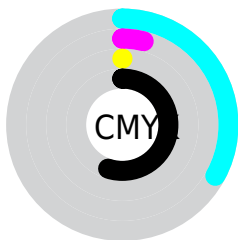
Blue (45%)



Red (30%)

Yellow (37%)

Blue (45%)

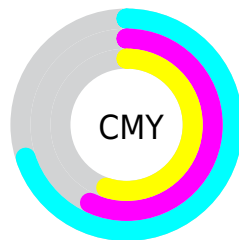


Cyan (33%)

Magenta (4%)

Yellow (0%)

Black (55%)



Cyan (70%)

Magenta (57%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.7310, 13.9674, 18.2974 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 11.7310, 13.9674, 18.2974 by changing the saturation by 10% instead.

■ 11.7310, 13.9674,
18.2974

■ 11.7310, 13.9674,
18.2974

196.4227,
217.0279, 254.8342

■ 6.6317, 8.0980,
10.9921

■ 28.6253, 33.0312,
41.3642

■ 3.2771, 4.1577,
5.9474

■ 41.1511, 46.9943,
57.9627

■ 1.3019, 1.7622,
2.7448

■ 56.8830, 64.4242,
78.4961

■ 0.1847, 0.4634,
0.9659

■ 76.1864, 85.7052,
103.3829

■ 0.0000, 0.0000,
0.0000

■ 99.4268, 111.2216,
133.0415

126.9694,

141.3580, 167.8906

159.1796,
176.4986, 208.3486

■ 11.7310, 13.9674,
18.2974

■ 11.7310, 13.9674,
18.2974

■ 10.7222, 13.2074,
18.2041

■ 12.9075, 14.8187,
18.3999

■ 9.8712, 12.5325,
18.1187

■ 14.2585, 15.7637,
18.5111

■ 9.1689, 11.9385,
18.0410

■ 15.7920, 16.8070,
18.6317

■ 8.6050, 11.4198,
17.9707

■ 17.5148, 17.9521,
18.7619

■ 8.1675, 10.9703,
17.9070

■ 19.4338, 19.2025,
18.9021

■ 7.8411, 10.5821,
17.8492

■ 21.5553, 20.5616,
19.0526

■ 7.6395, 10.3276,
17.8107

■ 23.8854, 22.0324,
19.2137

■ 26.4298, 23.6181,
19.3857

■ 29.1941, 25.3213,
19.5688

Harmonies

Analogous

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



11.4651, 13.9674, 15.4178



11.7310, 13.9674, 18.2974



12.4085, 13.9674, 20.5502

Triad

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



11.7310, 13.9674, 18.2974



15.0292, 13.9674, 17.8916



13.2029, 13.9674, 10.3907

Complementary

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



11.7310, 13.9674, 18.2974



11.4273, 10.2155, 8.3910

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.



14.1822, 13.9674, 10.8827



11.7310, 13.9674, 18.2974



15.2673, 13.9674, 15.0004

Square

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



11.7310, 13.9674, 18.2974



14.3145, 13.9674, 20.2962



14.9501, 13.9674, 12.4877



12.2882, 13.9674, 11.0505

Rectangle

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



11.7310, 13.9674, 18.2974



13.0192, 13.9674, 21.2650



14.9501, 13.9674, 12.4877



13.5354, 13.9674, 10.4267

Sweetspot

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



11.7314, 13.9680, 18.2977



26.2622, 28.7289, 33.2056



10.6931, 14.4402, 10.0940



6.1947, 6.8053, 7.9160



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.



11.7314, 13.9680, 18.2977



19.5366, 23.9087, 32.6297



9.9451, 10.3954, 17.7023



3.7442, 4.0771, 4.6799



8.7224, 11.7846, 20.3575



42.0587, 56.5339, 99.0557

Inverse Universe

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



12.5389, 10.0787, 16.0369



21.2622, 15.8538, 27.7409



13.0089, 13.3787, 8.9182



3.8069, 3.7500, 4.5100



10.6998, 5.2136, 14.1593



51.9160, 25.3165, 67.8123

Previews

White Background



This preview shows how the XYZ color 11.7310, 13.9674, 18.2974 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 11.7310, 13.9674, 18.2974 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 11.7310, 13.9674, 18.2974

Background



This preview shows how black text looks on a background with the XYZ color 11.7310, 13.9674, 18.2974.



This preview shows how white text looks on a background with the XYZ color 11.7310, 13.9674,

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

11.7310, 13.9674, 18.2974

Protanopia

13.4284, 13.7912, 16.9931

Deuteranopia

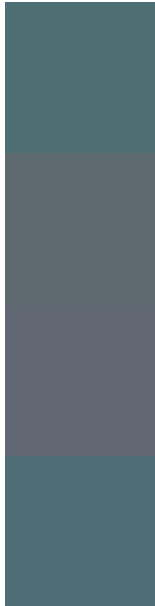
14.0489, 13.7799, 18.7489



Tritanopia

11.8805, 13.8650, 19.1896

Trichromacy



Original Color

11.7310, 13.9674, 18.2974

Protanomaly

12.6948, 13.8576, 17.3349

Deuteranomaly

13.0325, 13.7030, 18.4810

Tritanomaly

11.8214, 13.8413, 18.8782

Monochromacy



Original Color

11.7310, 13.9674, 18.2974

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

11.9655, 13.2165, 15.5561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.7310, 13.9674, 18.2974 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(77, 110, 115)` looks like.

```
.text, #text, p{  
    color:rgb(77, 110, 115)  
}
```

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(77, 110, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 110, 115) }
```

Border

The CSS property to change the border of an element to XYZ 11.7310, 13.9674, 18.2974 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(77, 110, 115) }
```


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

```
.border{ border-color:rgb(77, 110, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 110, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 110, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 110, 115);  
box-shadow:4px 4px 4px 4px rgb(77, 110,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 11.7310, 13.9674, 18.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 110, 115) }
```

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

```
.background{ background-color: rgb(77, 110,  
115) }
```

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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