

Converting Colors

XYZ(12.0745, 14.8311, 18.4462)

Have a look what the booklet for
XYZ(12.0745, 14.8311, 18.4462)
contains.

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Color

**XYZ(12.0923, 14.8089,
18.4407)**

Conversions

Conversions Part 1

Format	Color
Hex	4C7273
RGB	76, 114, 115
RGB Percent	30%, 45%, 45%
CMY	0.7020, 0.5529, 0.5490
CMYK	0.34, 0.01, 0.00, 0.55
HSL	182°, 20%, 37%
HSV	182°, 34%, 45%
XYZ	12.0923, 14.8089, 18.4407
YIQ	102.7520, -22.9690, -7.7450

Conversions

Conversions Part 2

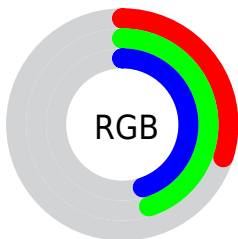
Format	Color
RYB	76, 95, 115
Decimal	5010035
CIELab	45.37, -13.06, -4.84
CIELCh	45, 13.926, 200.345
Yxy	14.8089, 0.2667, 0.3266
Android (android.graphics.Color)	4283200115 (0xFF4C7273)
YUV	102.7520, 6.0383, -23.4615
Hunter-Lab	38.4823, -11.2540, -1.4741




Details

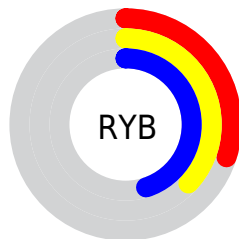
The XYZ color **12.0923, 14.8089, 18.4407** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.0288, 9.4745, 8.0853**, and the grayscale version is **12.8159, 13.4833, 14.6833**.




A 20% lighter version of the original color is **29.3637, 34.5745, 41.6851**, and **3.4402, 4.5486, 6.0068** is the 20% darker color. If you saturate the color by 10%, you get **11.2261, 14.3135, 18.3910**, and if you desaturate by 10%, it is **13.1229, 15.3899, 18.4988**.

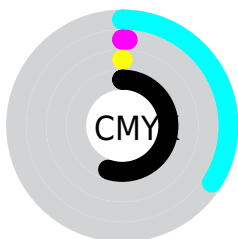
Distribution







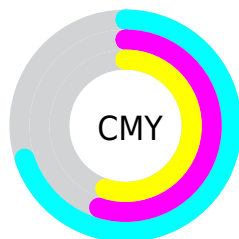
-  Red (30%)
-  Green (45%)
-  Blue (45%)






-  Red (30%)
-  Yellow (37%)
-  Blue (45%)



-  Cyan (34%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (55%)



-  Cyan (70%)
-  Magenta (55%)
-  Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0923, 14.8089, 18.4407 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 12.0923, 14.8089, 18.4407 by changing the saturation by 10% instead.

■ 12.0923, 14.8089,
18.4407

■ 12.0923, 14.8089,
18.4407

198.7728,
222.2066, 255.6625

■ 6.8792, 8.6854,
11.0941

■ 29.2785, 34.5176,
41.6109

■ 3.4323, 4.5365,
6.0152

■ 41.9823, 48.8715,
58.2716

■ 1.3863, 1.9780,
2.7854

■ 57.9138, 66.7378,
78.8741

■ 0.2464, 0.5946,
0.9861

■ 77.4382, 88.5006,
103.8369

■ 0.0000, 0.0000,
0.0000

■ 100.9210,
114.5446, 133.5786

128.7274,

145.2539, 168.5178

161.2229,
181.0132, 209.0729

■ 12.0923, 14.8089,
18.4407

■ 12.0923, 14.8089,
18.4407

■ 11.2261, 14.3135,
18.3910

■ 13.1229, 15.3899,
18.4988

■ 10.5142, 13.8974,
18.3482

■ 14.3246, 16.0590,
18.5646

■ 9.9475, 13.5564,
18.3122

■ 15.7053, 16.8205,
18.6388

■ 9.5155, 13.2849,
18.2826

■ 17.2722, 17.6781,
18.7218

■ 9.2063, 13.0769,
18.2587

■ 19.0319, 18.6353,
18.8138

■ 9.0023, 12.9233,
18.2399

■ 20.9908, 19.6954,
18.9151

■ 8.8949, 12.8385,
18.2291

■ 23.1550, 20.8614,
19.0261

■ 25.5303, 22.1364,
19.1470

■ 28.1222, 23.5233,
19.2781

Harmonies

Analogous

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



11.9957, 14.8089, 15.0801



12.0923, 14.8089, 18.4407



12.7039, 14.8089, 21.5394

Triad

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



12.0923, 14.8089, 18.4407



15.8572, 14.8089, 20.5380



14.4515, 14.8089, 10.6272

Complementary

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



12.0923, 14.8089, 18.4407



11.0288, 9.4745, 8.0853

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.



15.5422, 14.8089, 11.7027



12.0923, 14.8089, 18.4407



16.3826, 14.8089, 17.2158

Square

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



12.0923, 14.8089, 18.4407



14.8625, 14.8089, 22.8606



16.2643, 14.8089, 14.0106



13.3166, 14.8089, 10.8614

Rectangle

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



12.0923, 14.8089, 18.4407



13.3409, 14.8089, 22.8937



16.2643, 14.8089, 14.0106



14.8364, 14.8089, 10.8412

Sweetspot

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



12.0927, 14.8095, 18.4410



26.5150, 29.2345, 33.2898



10.4387, 14.3291, 9.1725



6.2614, 6.9389, 7.9383



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.



12.0927, 14.8095, 18.4410



20.3656, 25.7827, 32.9477



10.1540, 10.9320, 17.7948



3.7757, 4.1400, 4.6903



10.1662, 14.6721, 20.8387



49.4403, 71.2971, 101.5162

Inverse Universe

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



12.6923, 10.0290, 17.1870



21.6280, 15.7984, 30.2890



12.5716, 12.5601, 8.5996



3.8228, 3.7564, 4.5936



11.4286, 5.5051, 17.9968



55.6419, 26.8069, 87.4326

Previews

White Background



This preview shows how the XYZ color 12.0923, 14.8089, 18.4407 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 12.0923, 14.8089, 18.4407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

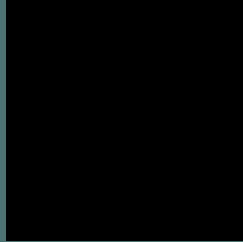
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

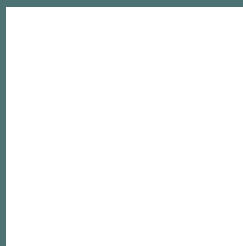
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.0923, 14.8089, 18.4407

Background



This preview shows how black text looks on a background with the XYZ color 12.0923, 14.8089, 18.4407.



This preview shows how white text looks on a background with the XYZ color 12.0923, 14.8089,

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

12.0923, 14.8089, 18.4407

Protanopia

14.1528, 14.6220, 16.8282

Deuteranopia

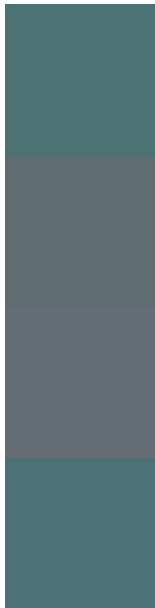
14.9713, 14.6957, 18.8771



Tritanopia

12.5599, 14.8351, 20.6138

Trichromacy



Original Color

12.0923, 14.8089, 18.4407

Protanomaly

13.2171, 14.5939, 17.4495

Deuteranomaly

13.7705, 14.6954, 18.6337

Tritanomaly

12.2955, 14.7199, 19.6460

Monochromacy



Original Color

12.0923, 14.8089, 18.4407

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.4257, 13.9041, 15.9388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0923, 14.8089, 18.4407 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(76, 114, 115)` looks like.

```
.text, #text, p{  
    color:rgb(76, 114, 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(76, 114, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 114, 115) }
```

Border

The CSS property to change the border of an element to XYZ 12.0923, 14.8089, 18.4407 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(76, 114, 115) }
```


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

```
.border{ border-color:rgb(76, 114, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 114, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 114, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 114, 115);  
box-shadow:4px 4px 4px 4px rgb(76, 114,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0923, 14.8089, 18.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 114, 115) }
```

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

```
.background{ background-color: rgb(76, 114,  
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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