

Converting Colors

XYZ(12.8318, 14.9097, 15.9561)

Have a look what the booklet for
XYZ(12.8318, 14.9097, 15.9561)
contains.

XYZ(12.8093, 14.9043, 15.8374)	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(12.8093, 14.9043,
15.8374)**

Conversions

Conversions Part 1

Format	Color
Hex	5C706A
RGB	92, 112, 106
RGB Percent	36%, 44%, 42%
CMY	0.6392, 0.5608, 0.5843
CMYK	0.18, 0.00, 0.05, 0.56
HSL	162°, 10%, 40%
HSV	162°, 18%, 44%
XYZ	12.8093, 14.9043, 15.8374
YIQ	105.3360, -9.9940, -6.1060

Conversions

Conversions Part 2

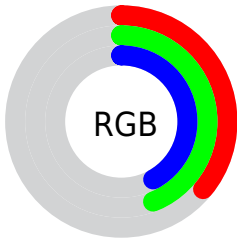
Format	Color
R_{YB}	92, 104, 112
Decimal	6058090
CIE _{Lab}	45.50, -8.75, 0.86
CIE _{LCh}	46, 8.791, 174.398
Yxy	14.9043, 0.2941, 0.3422
Android (android.graphics.Color)	4284248170 (0xFF5C706A)
YUV	105.3360, 0.3274, -11.6957
Hunter-Lab	38.6061, -8.3353, 2.7017

Details

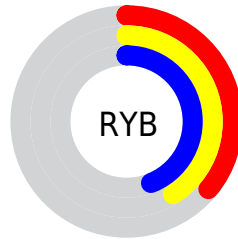
The XYZ color **12.8093, 14.9043, 15.8374** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7143, 11.9812, 13.1983**, and the grayscale version is **13.5198, 14.2239, 15.4898**.

A 20% lighter version of the original color is **30.5166, 34.7360, 36.9946**, and **3.7495, 4.5634, 4.8209** is the 20% darker color. If you saturate the color by 10%, you get **11.6009, 14.3015, 14.8865**, and if you desaturate by 10%, it is **14.1909, 15.5963, 16.8327**.

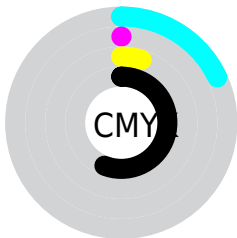
Distribution



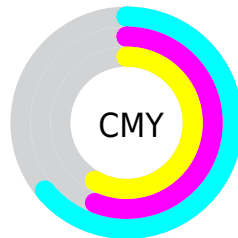
- Red (36%)
- Green (44%)
- Blue (42%)



- Red (36%)
- Yellow (41%)
- Blue (44%)



- Cyan (18%)
- Magenta (0%)
- Yellow (5%)
- Black (56%)



- Cyan (64%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8093, 14.9043, 15.8374 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 12.8093, 14.9043, 15.8374 by changing the saturation by 10% instead.

■ 12.8093, 14.9043,
15.8374

■ 12.8093, 14.9043,
15.8374

203.3543,
222.7862, 240.1932

■ 7.3735, 8.7522,
9.2561

■ 30.5650, 34.6852,
37.0785

■ 3.7451, 4.5799,
4.8095

■ 43.6156, 49.0829,
52.5754

■ 1.5590, 2.0030,
2.0791

■ 59.9351, 66.9978,
71.8813

■ 0.3654, 0.6092,
0.6033

■ 79.8889, 88.8145,
95.4145

■ 0.0000, 0.0000,
0.0000

103.8423,
114.9173, 123.5938

132.1608,

145.6906, 156.8377

165.2097,
181.5188, 195.5646

■ 12.8093, 14.9043,
15.8374

■ 12.8093, 14.9043,
15.8374

■ 11.6009, 14.3015,
14.8865

■ 14.1909, 15.5963,
16.8327

■ 10.5570, 13.7824,
13.9784

■ 15.7512, 16.3793,
17.8723

■ 9.6703, 13.3436,
13.1127

■ 17.4972, 17.2572,
18.9571

■ 8.9322, 12.9806,
12.2883

■ 19.4350, 18.2332,
20.0878

■ 8.3335, 12.6886,
11.5047

■ 21.5705, 19.3102,
21.2651

■ 7.8636, 12.4623,
10.7607

■ 23.9092, 20.4912,
22.4896

■ 7.5106, 12.2956,
10.0554

■ 26.4567, 21.7789,
23.7620

■ 7.2400, 12.1706,
9.3868

■ 29.2180, 23.1761,
25.0827

■ 7.1839, 12.1447,
9.2479

■ 32.1981, 24.6851,
26.4525

Harmonies

Analogous

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



13.0508, 14.9043, 13.9902



12.8093, 14.9043, 15.8374



12.9210, 14.9043, 17.9532

Triad

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



12.8093, 14.9043, 15.8374



14.7562, 14.9043, 20.1885



15.0025, 14.9043, 13.1628

Complementary

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



12.8093, 14.9043, 15.8374



12.7143, 11.9812, 13.1983

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.



15.4887, 14.9043, 14.6175



12.8093, 14.9043, 15.8374



15.3431, 14.9043, 18.6931

Square

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



12.8093, 14.9043, 15.8374



14.0290, 14.9043, 20.5856



15.6155, 14.9043, 16.6255



14.3041, 14.9043, 12.5337

Rectangle

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



12.8093, 14.9043, 15.8374



13.1828, 14.9043, 19.2190



15.6155, 14.9043, 16.6255



15.1971, 14.9043, 13.5651

Sweetspot

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



12.8097, 14.9049, 15.8377



25.6446, 27.7566, 30.0598



12.7994, 14.9770, 12.3415



6.1262, 6.6509, 7.1981



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.8097, 14.9049, 15.8377



21.6839, 25.7740, 27.1959



12.7365, 14.2413, 17.4076



3.4344, 3.7990, 4.0938



8.2943, 14.0352, 10.6365



40.9235, 69.7580, 50.9097

Inverse Universe

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



12.7143, 11.9812, 13.1983



21.4870, 19.7284, 21.7394



12.7668, 12.5228, 11.8696



3.4219, 3.4165, 3.7484



8.0428, 4.1095, 2.0353



39.7247, 20.3352, 8.3486

Previews

White Background



This preview shows how the XYZ color 12.8093, 14.9043, 15.8374 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 12.8093, 14.9043, 15.8374 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

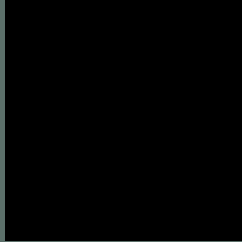
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

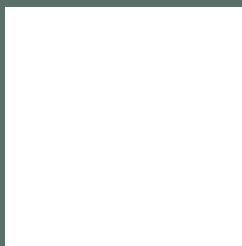
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.8093, 14.9043, 15.8374

Background



This preview shows how black text looks on a background with the XYZ color 12.8093, 14.9043, 15.8374.



This preview shows how white text looks on a background with the XYZ color 12.8093, 14.9043,

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

12.8093, 14.9043, 15.8374

Protanopia

14.1363, 14.8097, 14.9455

Deuteranopia

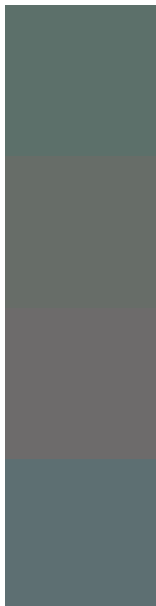
15.1283, 14.8349, 16.2534



Tritanopia

13.5218, 14.8635, 19.6090

Trichromacy



Original Color

12.8093, 14.9043, 15.8374

Protanomaly

13.5608, 14.8203, 15.2426

Deuteranomaly

14.2182, 14.8281, 16.0227

Tritanomaly

13.2359, 14.9109, 18.1001

Monochromacy



Original Color

12.8093, 14.9043, 15.8374

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1679, 14.4544, 15.4606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8093, 14.9043, 15.8374 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(92, 112, 106) looks like.

```
.text, #text, p{  
    color:rgb(92, 112, 106)  
}
```

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(92, 112, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 112, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.8093, 14.9043, 15.8374 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(92, 112, 106) }
```


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

```
.border{ border-color:rgb(92, 112, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 112, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 112, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 112, 106);  
box-shadow:4px 4px 4px 4px rgb(92, 112,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8093, 14.9043, 15.8374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 112, 106) }
```

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

```
.background{ background-color: rgb(92, 112,  
106) }
```

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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