

Converting Colors

XYZ(12.9584, 14.0214, 15.4375)

Have a look what the booklet for
XYZ(12.9584, 14.0214, 15.4375)
contains.

XYZ(12.9594, 14.0373, 15.3910)	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(12.9594, 14.0373,
15.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	646A69
RGB	100, 106, 105
RGB Percent	39%, 42%, 41%
CMY	0.6078, 0.5843, 0.5882
CMYK	0.06, 0.00, 0.01, 0.58
HSL	170°, 3%, 40%
HSV	170°, 6%, 42%
XYZ	12.9594, 14.0373, 15.3910
YIQ	104.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

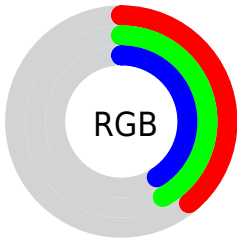
Format	Color
R _Y B	100, 103, 106
Decimal	6580841
CIE Lab	44.29, -2.51, -0.24
CIE LCh	44, 2.520, 185.499
Yxy	14.0373, 0.3057, 0.3312
Android (android.graphics.Color)	4284770921 (0xFF646A69)
YUV	104.0920, 0.4476, -3.5887
Hunter-Lab	37.4664, -3.8241, 1.8704

Details

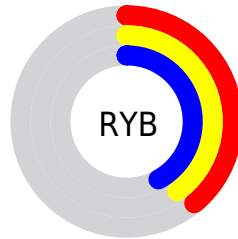
The XYZ color **12.9594, 14.0373, 15.3910** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.8506, 13.1186, 14.1676**, and the grayscale version is **13.1825, 13.8690, 15.1034**.

A 20% lighter version of the original color is **30.8202, 33.0936, 36.2158**, and **3.7959, 4.1903, 4.6117** is the 20% darker color. If you saturate the color by 10%, you get **11.7725, 13.4362, 14.8659**, and if you desaturate by 10%, it is **14.3016, 14.7190, 15.9339**.

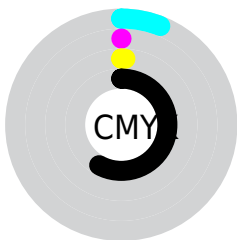
Distribution



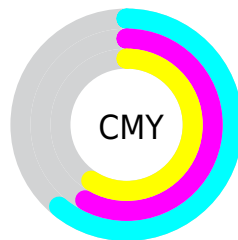
- Red (39%)
- Green (42%)
- Blue (41%)



- Red (39%)
- Yellow (40%)
- Blue (42%)



- Cyan (6%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



- Cyan (61%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9594, 14.0373, 15.3910 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 12.9594, 14.0373, 15.3910 by changing the saturation by 10% instead.

■ 12.9594, 14.0373,
15.3910

■ 12.9594, 14.0373,
15.3910

204.3002,
217.4627, 237.4425

■ 7.4774, 8.1466,
8.9446

■ 30.8328, 33.1552,
36.2896

■ 3.8114, 4.1889,
4.6087

■ 43.9548, 47.1512,
51.5789

■ 1.5960, 1.7798,
1.9649

■ 60.3543, 64.6178,
70.6529

■ 0.3898, 0.4745,
0.5336

■ 80.3965, 85.9393,
93.9302

■ 0.0000, 0.0000,
0.0000

104.4469,
111.5001, 121.8292

132.8707,

141.6847, 154.7686

166.0333,
176.8775, 193.1669

■ 12.9594, 14.0373,
15.3910

■ 12.9594, 14.0373,
15.3910

■ 11.7725, 13.4362,
14.8659

■ 14.3016, 14.7190,
15.9339

■ 10.7338, 12.9110,
14.3572

■ 15.8033, 15.4823,
16.4938

■ 9.8376, 12.4589,
13.8650

■ 17.4704, 16.3307,
17.0716

■ 9.0770, 12.0766,
13.3888

■ 19.3078, 17.2666,
17.6673

■ 8.4450, 11.7603,
12.9283

■ 21.3202, 18.2926,
18.2814

■ 7.9335, 11.5059,
12.4830

■ 23.5124, 19.4109,
18.9140

■ 7.5339, 11.3090,
12.0524

■ 25.8888, 20.6240,
19.5655

■ 7.2362, 11.1645,
11.6361

■ 28.4536, 21.9341,
20.2360

■ 7.0182, 11.0608,
11.2329

■ 31.2110, 23.3431,
20.9260

Harmonies

Analogous

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



12.9920, 14.0373, 14.8279



12.9594, 14.0373, 15.3910



13.0285, 14.0373, 15.9388

Triad

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



12.9594, 14.0373, 15.3910



13.5687, 14.0373, 16.2072



13.5036, 14.0373, 14.2949

Complementary

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



12.9594, 14.0373, 15.3910



12.8506, 13.1186, 14.1676

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.



13.6605, 14.0373, 14.6478



12.9594, 14.0373, 15.3910



13.6983, 14.0373, 15.7499

Square

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



12.9594, 14.0373, 15.3910



13.3793, 14.0373, 16.4176



13.7321, 14.0373, 15.1780



13.3049, 14.0373, 14.2042

Rectangle

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



12.9594, 14.0373, 15.3910



13.1234, 14.0373, 16.2187



13.7321, 14.0373, 15.1780



13.5631, 14.0373, 14.3863

Sweetspot

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



12.9598, 14.0379, 15.3913



23.5611, 25.0505, 27.3508



12.8328, 14.0013, 14.0831



5.5286, 5.8729, 6.4108



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.9598, 14.0379, 15.3913



22.4072, 24.4651, 26.8677



12.8179, 13.6713, 15.5996



3.2166, 3.5118, 3.8566



8.5877, 13.6692, 13.6718



43.4834, 69.5405, 68.2178

Inverse Universe

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



12.8506, 13.1186, 14.1676



22.1659, 22.4348, 24.1652



12.9862, 13.4679, 13.9721



3.1821, 3.2209, 3.4695



7.4991, 3.8517, 0.9906



37.9843, 19.5357, 3.8541

Previews

White Background



This preview shows how the XYZ color 12.9594, 14.0373, 15.3910 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 12.9594, 14.0373, 15.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

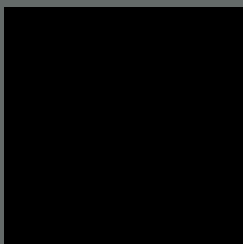
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

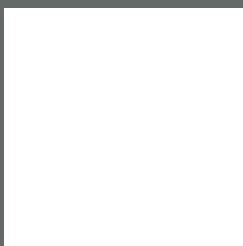
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9594, 14.0373, 15.3910

Background



This preview shows how black text looks on a background with the XYZ color 12.9594, 14.0373, 15.3910.



This preview shows how white text looks on a background with the XYZ color 12.9594, 14.0373,

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

12.9594, 14.0373, 15.3910

Protanopia

13.5124, 14.0259, 15.0918

Deuteranopia

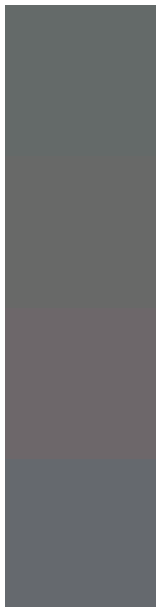
14.1946, 13.9254, 15.5754



Tritanopia

13.3990, 14.0621, 17.6308

Trichromacy



Original Color

12.9594, 14.0373, 15.3910

Protanomaly

13.2592, 14.0457, 15.1090

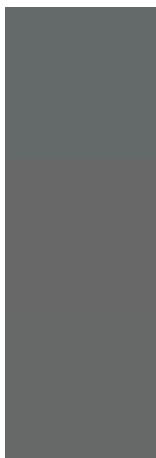
Deuteranomaly

13.7584, 13.9923, 15.6113

Tritanomaly

13.2329, 13.9956, 16.7558

Monochromacy



Original Color

12.9594, 14.0373, 15.3910

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1438, 13.9862, 15.1036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9594, 14.0373, 15.3910 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(100, 106, 105)` looks like.

```
.text, #text, p{  
    color:rgb(100, 106, 105)  
}
```

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(100, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 106, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.9594, 14.0373, 15.3910 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(100, 106, 105) }
```


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

```
.border{ border-color:rgb(100, 106, 105) }
```

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

Here you see how a box with a 4 pixel rgb(100, 106, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 106, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 106, 105);  
box-shadow:4px 4px 4px 4px rgb(100, 106,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9594, 14.0373, 15.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 106, 105) }
```

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

```
.background{ background-color: rgb(100,  
106, 105) }
```

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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