

Converting Colors

XYZ(12.8850, 14.4648, 14.1236)

Have a look what the booklet for
XYZ(12.8850, 14.4648, 14.1236)
contains.

XYZ(12.9145, 14.5100, 14.1766)	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(12.9145, 14.5100,
14.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	636D64
RGB	99, 109, 100
RGB Percent	39%, 43%, 39%
CMY	0.6118, 0.5725, 0.6078
CMYK	0.09, 0.00, 0.08, 0.57
HSL	126°, 5%, 41%
HSV	126°, 9%, 43%
XYZ	12.9145, 14.5100, 14.1766
YIQ	104.9840, -3.0710, -4.9190

Conversions

Conversions Part 2

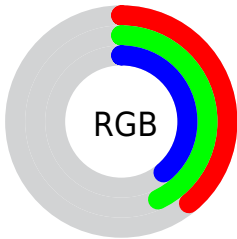
Format	Color
R_{YB}	99, 108, 109
Decimal	6516068
CIE Lab	44.96, -5.69, 3.73
CIE LCh	45, 6.803, 146.770
Yxy	14.5100, 0.3104, 0.3488
Android (android.graphics.Color)	4284706148 (0xFF636D64)
YUV	104.9840, -2.4571, -5.2480
Hunter-Lab	38.0920, -6.1433, 4.5986

Details

The XYZ color **12.9145, 14.5100, 14.1766** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4759, 13.2580, 16.0370**, and the grayscale version is **13.4303, 14.1297, 15.3872**.

A 20% lighter version of the original color is **30.7344, 33.8600, 34.1939**, and **3.7814, 4.4324, 4.0244** is the 20% darker color. If you saturate the color by 10%, you get **11.3565, 13.7588, 11.7725**, and if you desaturate by 10%, it is **14.6913, 15.3682, 16.8902**.

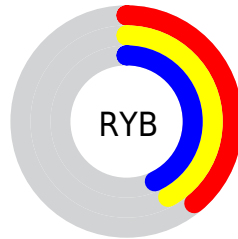
Distribution



Red (39%)

Green (43%)

Blue (39%)



Red (39%)

Yellow (42%)

Blue (43%)

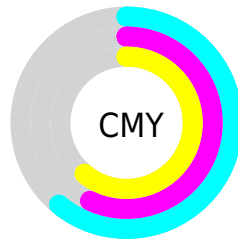


Cyan (9%)

Magenta (0%)

Yellow (8%)

Black (57%)



Cyan (61%)

Magenta (57%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9145, 14.5100, 14.1766 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 12.9145, 14.5100, 14.1766 by changing the saturation by 10% instead.

■ 12.9145, 14.5100,
14.1766

■ 12.9145, 14.5100,
14.1766

204.0177,
220.3809, 229.7932

■ 7.4463, 8.4762,
8.1034

■ 30.7527, 33.9912,
34.1237

■ 3.7915, 4.4012,
4.0725

■ 43.8534, 48.2075,
48.8347

■ 1.5849, 1.9004,
1.6652

■ 60.2290, 65.9201,
67.2620

■ 0.3825, 0.5486,
0.3367

■ 80.2449, 87.5133,
89.8243

■ 0.0000, 0.0000,
0.0000

104.2663,
113.3716, 116.9400

132.6587,

143.8794, 149.0277

165.7873,
179.4210, 186.5059

■ 12.9145, 14.5100,
14.1766

■ 12.9145, 14.5100,
14.1766

■ 11.3565, 13.7588,
11.7725

■ 14.6913, 15.3682,
16.8902

■ 10.0077, 13.1087,
9.6658

■ 16.6936, 16.3353,
19.9226

■ 8.8595, 12.5559,
7.8454

■ 18.9294, 17.4159,
23.2841

■ 7.9022, 12.0957,
6.2989

■ 21.4059, 18.6132,
26.9843

■ 7.1256, 11.7229,
5.0130

■ 24.1300, 19.9308,
31.0321

■ 6.5181, 11.4322,
3.9733

■ 27.1084, 21.3718,
35.4363

■ 6.0670, 11.2171,
3.1642

■ 30.3473, 22.9393,
40.2055

■ 5.7579, 11.0706,
2.5681

■ 33.8529, 24.6363,
45.3477

■ 5.5447, 10.9694,
2.1634

■ 37.6313, 26.4658,
50.8709

Harmonies

Analogous

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



13.3144, 14.5100, 13.2150



12.9145, 14.5100, 14.1766



12.7492, 14.5100, 15.6267

Triad

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



12.9145, 14.5100, 14.1766



13.7311, 14.5100, 19.0643



14.7700, 14.5100, 14.4569

Complementary

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



12.9145, 14.5100, 14.1766



13.4759, 13.2580, 16.0370

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.



14.8888, 14.5100, 15.9724



12.9145, 14.5100, 14.1766



14.2795, 14.5100, 18.6994

Square

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



12.9145, 14.5100, 14.1766



13.2126, 14.5100, 18.5067



14.7070, 14.5100, 17.5405



14.3867, 14.5100, 13.3690

Rectangle

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



12.9145, 14.5100, 14.1766



12.7908, 14.5100, 16.7008



14.7070, 14.5100, 17.5405



14.8427, 14.5100, 14.9301

Sweetspot

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



12.9149, 14.5106, 14.1769



25.0154, 26.8948, 28.2775



13.9260, 15.0374, 13.9732



5.7697, 6.2337, 6.5016



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



12.9149, 14.5106, 14.1769



22.4986, 25.6800, 24.4222



13.1560, 14.6070, 15.4463



3.0752, 3.4492, 3.3797



6.4610, 12.8185, 2.4727



32.7617, 65.2518, 11.7579

Inverse Universe

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



13.4759, 13.2580, 16.0370



23.7192, 22.9543, 28.4697



13.2256, 13.1579, 14.7190



3.2052, 3.1589, 3.8108



9.9561, 4.8346, 13.9291



50.5491, 24.5616, 70.0195

Previews

White Background



This preview shows how the XYZ color 12.9145, 14.5100, 14.1766 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 12.9145, 14.5100, 14.1766 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

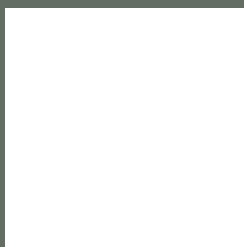
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.9145, 14.5100, 14.1766

Background



This preview shows how black text looks on a background with the XYZ color 12.9145, 14.5100, 14.1766.

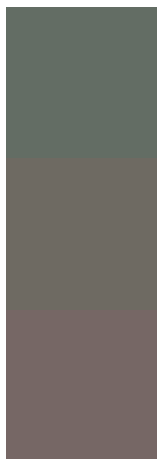


This preview shows how white text looks on a background with the XYZ color 12.9145, 14.5100,

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

12.9145, 14.5100, 14.1766

Protanopia

13.7890, 14.5049, 13.6282

Deuteranopia

14.6704, 14.4916, 14.3359



Tritanopia

13.7190, 14.5199, 18.2992

Trichromacy



Original Color

12.9145, 14.5100, 14.1766

Protanomaly

13.4537, 14.4804, 13.8903

Deuteranomaly

13.9561, 14.4222, 14.3601

Tritanomaly

13.4326, 14.5602, 16.8543

Monochromacy



Original Color

12.9145, 14.5100, 14.1766

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1957, 14.1709, 14.8717

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9145, 14.5100, 14.1766 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(99, 109, 100) looks like.

```
.text, #text, p{  
    color:rgb(99, 109, 100)  
}
```

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(99, 109, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 109, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.9145, 14.5100, 14.1766 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(99, 109, 100) }
```


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

```
.border{ border-color:rgb(99, 109, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 109, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 109, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 109, 100);  
box-shadow:4px 4px 4px 4px rgb(99, 109,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9145, 14.5100, 14.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 109, 100) }
```

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

```
.background{ background-color: rgb(99, 109,  
100) }
```

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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