

Converting Colors

XYZ(12.8554, 13.7905, 14.1345)

Have a look what the booklet for
XYZ(12.8554, 13.7905, 14.1345)
contains.

XYZ(12.8313, 13.8480, 14.0532)	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(12.8313, 13.8480,
14.0532)**

Conversions

Conversions Part 1

Format	Color
Hex	666964
RGB	102, 105, 100
RGB Percent	40%, 41%, 39%
CMY	0.6000, 0.5882, 0.6078
CMYK	0.03, 0.00, 0.05, 0.59
HSL	96°, 2%, 40%
HSV	96°, 5%, 41%
XYZ	12.8313, 13.8480, 14.0532
YIQ	103.5330, -0.1830, -2.1910

Conversions

Conversions Part 2

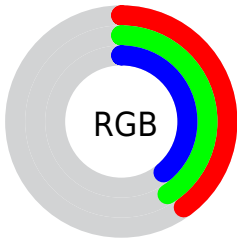
Format	Color
R_{YB}	100, 105, 103
Decimal	6711652
CIE Lab	44.01, -2.19, 2.40
CIE LCh	44, 3.246, 132.327
Yxy	13.8480, 0.3150, 0.3400
Android (android.graphics.Color)	4284901732 (0xFF666964)
YUV	103.5330, -1.7418, -1.3444
Hunter-Lab	37.2129, -3.5744, 3.6586

Details

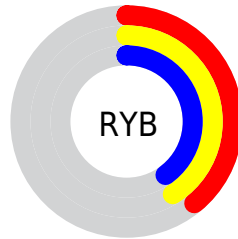
The XYZ color **12.8313, 13.8480, 14.0532** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.7010, 13.0181, 15.2086**, and the grayscale version is **13.0383, 13.7173, 14.9382**.

A 20% lighter version of the original color is **30.6113, 32.7836, 33.9926**, and **3.7312, 4.0954, 3.9620** is the 20% darker color. If you saturate the color by 10%, you get **11.6684, 13.3039, 11.5147**, and if you desaturate by 10%, it is **14.1148, 14.4475, 16.9400**.

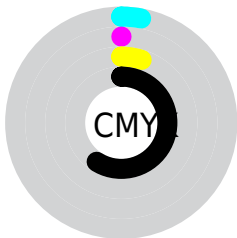
Distribution



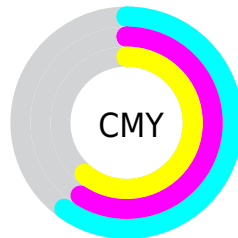
- Red (40%)
- Green (41%)
- Blue (39%)



- Red (39%)
- Yellow (41%)
- Blue (40%)



- Cyan (3%)
- Magenta (0%)
- Yellow (5%)
- Black (59%)



- Cyan (60%)
- Magenta (59%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8313, 13.8480, 14.0532 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 12.8313, 13.8480, 14.0532 by changing the saturation by 10% instead.

■ 12.8313, 13.8480,
14.0532

■ 12.8313, 13.8480,
14.0532

203.4932,
216.2832, 229.0015

■ 7.3887, 8.0150,
8.0185

■ 30.6043, 32.8191,
33.9019

■ 3.7548, 4.1046,
4.0188

■ 43.6653, 46.7260,
48.5529

■ 1.5644, 1.7322,
1.6357

■ 59.9966, 64.0930,
66.9132

■ 0.3690, 0.4444,
0.3161

■ 79.9634, 85.3045,
89.4012

■ 0.0000, 0.0000,
0.0000

103.9311,
110.7448, 116.4355

132.2651,

140.7985, 148.4346

165.3306,
175.8498, 185.8171

■ 12.8313, 13.8480,
14.0532

■ 12.8313, 13.8480,
14.0532

■ 11.6684, 13.3039,
11.5147

■ 14.1148, 14.4475,
16.9400

■ 10.6212, 12.8118,
9.3103

■ 15.5213, 15.1022,
20.1865

■ 9.6863, 12.3705,
7.4264

■ 17.0545, 15.8141,
23.8049

■ 8.8596, 11.9784,
5.8481

■ 18.7177, 16.5846,
27.8065

■ 8.1366, 11.6335,
4.5591

■ 20.5138, 17.4152,
32.2020

■ 7.5126, 11.3337,
3.5419

■ 22.4461, 18.3070,
37.0019

■ 6.9825, 11.0767,
2.7768

■ 24.5172, 19.2615,
42.2162

■ 6.5404, 10.8603,
2.2417

■ 26.7301, 20.2797,
47.8544

■ 6.1768, 10.6801,
1.8938

■ 29.0875, 21.3631,
53.9260

Harmonies

Analogous

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



13.0566, 13.8480, 13.7339



12.8313, 13.8480, 14.0532



12.6957, 13.8480, 14.6514

Triad

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



12.8313, 13.8480, 14.0532



13.0123, 13.8480, 16.4709



13.6521, 13.8480, 14.7772

Complementary

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



12.8313, 13.8480, 14.0532



12.7010, 13.0181, 15.2086

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.



13.6398, 13.8480, 15.5130



12.8313, 13.8480, 14.0532



13.2682, 13.8480, 16.5073

Square

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



12.8313, 13.8480, 14.0532



12.7992, 13.8480, 16.0539



13.4986, 13.8480, 16.1517



13.5318, 13.8480, 14.1427

Rectangle

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



12.8313, 13.8480, 14.0532



12.6732, 13.8480, 15.1358



13.4986, 13.8480, 16.1517



13.6634, 13.8480, 15.0206

Sweetspot

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



12.8317, 13.8486, 14.0535



23.8082, 25.1855, 27.0195



12.9767, 13.6244, 14.0026



5.5817, 5.9019, 6.3397



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.



12.8317, 13.8486, 14.0535



22.6693, 24.6532, 24.4856



12.6320, 13.7429, 14.1709



3.2502, 3.5369, 3.5066



7.5642, 13.3947, 2.1868



37.6170, 67.7744, 11.0991

Inverse Universe

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



12.7010, 13.0181, 15.2086



22.3686, 22.7434, 27.1420



12.9075, 13.1276, 15.0845



3.2063, 3.2578, 3.8947



5.7829, 2.6083, 17.1209



28.4676, 12.7752, 87.1917

Previews

White Background



This preview shows how the XYZ color 12.8313, 13.8480, 14.0532 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 12.8313, 13.8480, 14.0532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

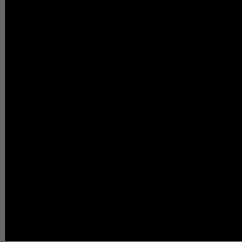
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8313, 13.8480, 14.0532

Background



This preview shows how black text looks on a background with the XYZ color 12.8313, 13.8480, 14.0532.



This preview shows how white text looks on a background with the XYZ color 12.8313, 13.8480,

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

12.8313, 13.8480, 14.0532

Protanopia

13.2659, 13.9273, 13.7934

Deuteranopia

14.0729, 13.8918, 14.2516



Tritanopia

13.4284, 13.7912, 16.9931

Trichromacy



Original Color

12.8313, 13.8480, 14.0532

Protanomaly

13.0281, 13.8047, 13.7823

Deuteranomaly

13.5307, 13.7573, 14.2542

Tritanomaly

13.1977, 13.8457, 15.8868

Monochromacy



Original Color

12.8313, 13.8480, 14.0532

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.9920, 13.7635, 14.8038

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8313, 13.8480, 14.0532 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(102, 105, 100)` looks like.

```
.text, #text, p{  
    color:rgb(102, 105, 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(102, 105, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 105, 100) }
```

Border

The CSS property to change the border of an element to XYZ 12.8313, 13.8480, 14.0532 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(102, 105, 100) }
```


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

```
.border{ border-color:rgb(102, 105, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 105, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 105, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 105, 100);  
box-shadow:4px 4px 4px 4px rgb(102, 105,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8313, 13.8480, 14.0532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 105, 100) }
```

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

```
.background{ background-color: rgb(102,  
105, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor