

Converting Colors

XYZ(13.1276, 14.7910, 12.5000)

Have a look what the booklet for
XYZ(13.1276, 14.7910, 12.5000)
contains.

XYZ(13.1452, 14.8257, 12.5248)	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(13.1452, 14.8257,
12.5248)**

Conversions

Conversions Part 1

Format	Color
Hex	676E5D
RGB	103, 110, 93
RGB Percent	40%, 43%, 36%
CMY	0.5961, 0.5686, 0.6353
CMYK	0.06, 0.00, 0.15, 0.57
HSL	85°, 8%, 40%
HSV	85°, 15%, 43%
XYZ	13.1452, 14.8257, 12.5248
YIQ	105.9690, 1.2850, -6.7710

Conversions

Conversions Part 2

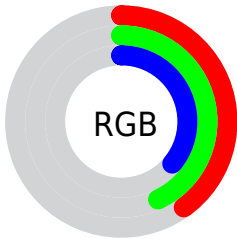
Format	Color
R _Y B	93, 110, 100
Decimal	6778461
CIE Lab	45.39, -6.06, 8.59
CIE LCh	45, 10.509, 125.220
Yxy	14.8257, 0.3246, 0.3661
Android (android.graphics.Color)	4284968541 (0xFF676E5D)
YUV	105.9690, -6.3937, -2.6038
Hunter-Lab	38.5042, -6.4429, 7.6668

Details

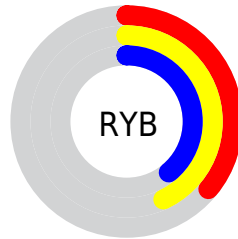
The XYZ color **13.1452, 14.8257, 12.5248** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9850, 11.6643, 16.3724**, and the grayscale version is **13.7081, 14.4220, 15.7056**.

A 20% lighter version of the original color is **31.2047, 34.6939, 31.0385**, and **3.8666, 4.4912, 3.3524** is the 20% darker color. If you saturate the color by 10%, you get **12.1871, 14.3845, 10.1170**, and if you desaturate by 10%, it is **14.2024, 15.3107, 15.3038**.

Distribution



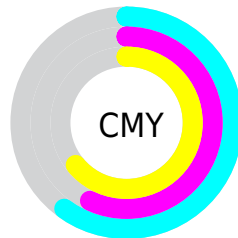
- Red (40%)
- Green (43%)
- Blue (36%)



- Red (36%)
- Yellow (43%)
- Blue (39%)



- Cyan (6%)
- Magenta (0%)
- Yellow (15%)
- Black (57%)



- Cyan (60%)
- Magenta (57%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1452, 14.8257, 12.5248 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 13.1452, 14.8257, 12.5248 by changing the saturation by 10% instead.

■ 13.1452, 14.8257,
12.5248

■ 13.1452, 14.8257,
12.5248

205.4650,
222.3088, 218.9491

■ 7.6063, 8.6971,
6.9753

■ 31.1635, 34.5471,
31.1260

■ 3.8937, 4.5442,
3.3684

■ 44.3736, 48.9088,
45.0147

■ 1.6422, 1.9824,
1.2857

■ 60.8715, 66.7836,
62.5202

■ 0.4197, 0.5972,
0.0500

■ 81.0225, 88.5559,
84.0611

■ 0.0000, 0.0000,
0.0000

105.1920,
114.6102, 110.0559

133.7453,

145.3309, 140.9232

167.0479,
181.1023, 177.0814

■ 13.1452, 14.8257,
12.5248

■ 13.1452, 14.8257,
12.5248

■ 12.1871, 14.3845,
10.1170

■ 14.2024, 15.3107,
15.3038

■ 11.3234, 13.9838,
8.0637

■ 15.3608, 15.8391,
18.4678

■ 10.5509, 13.6228,
6.3484

■ 16.6237, 16.4126,
22.0311

■ 9.8658, 13.2998,
4.9529

■ 17.9941, 17.0325,
26.0070

■ 9.2637, 13.0130,
3.8572

■ 19.4749, 17.7000,
30.4080

■ 8.7399, 12.7605,
3.0393

■ 21.0687, 18.4161,
35.2464

■ 8.2893, 12.5403,
2.4738

■ 22.7781, 19.1821,
40.5337

■ 7.9016, 12.3480,
2.1105

■ 24.6056, 19.9989,
46.2811

■ 7.7361, 12.2659,
1.9598

■ 26.5536, 20.8675,
52.4995

Harmonies

Analogous

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



13.9392, 14.8257, 11.8124



13.1452, 14.8257, 12.5248



12.6215, 14.8257, 14.2102

Triad

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



13.1452, 14.8257, 12.5248



13.3994, 14.8257, 20.9132



15.8302, 14.8257, 15.7092

Complementary

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



13.1452, 14.8257, 12.5248



11.9850, 11.6643, 16.3724

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.



15.6712, 14.8257, 18.2429



13.1452, 14.8257, 12.5248



14.2447, 14.8257, 21.4197

Square

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



13.1452, 14.8257, 12.5248



12.7639, 14.8257, 19.0773



15.0819, 14.8257, 20.3977



15.5078, 14.8257, 13.5256

Rectangle

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



13.1452, 14.8257, 12.5248



12.4838, 14.8257, 15.7453



15.0819, 14.8257, 20.3977



15.8314, 14.8257, 16.5466

Sweetspot

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



13.1456, 14.8263, 12.5251



25.0038, 26.9161, 27.0435



12.9448, 13.1819, 12.2183



5.7949, 6.2527, 6.2299



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.



13.1456, 14.8263, 12.5251



22.3828, 25.7135, 20.2054



12.2404, 14.3597, 12.4828



3.5154, 3.8510, 3.6314



9.2595, 14.7172, 2.3527



45.1287, 72.7987, 11.6730

Inverse Universe

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



11.9850, 11.6643, 16.3724



19.8790, 18.8915, 28.5059



12.9503, 12.1619, 16.4175



3.3357, 3.3613, 4.2272



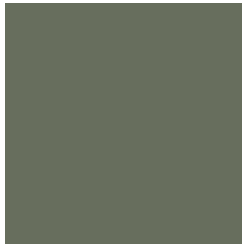
4.6652, 2.0144, 17.8645



22.3080, 9.5546, 88.9476

Previews

White Background



This preview shows how the XYZ color 13.1452, 14.8257, 12.5248 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 13.1452, 14.8257, 12.5248 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

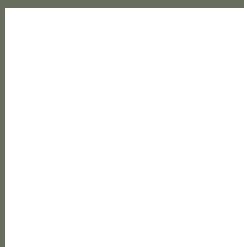
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.1452, 14.8257, 12.5248

Background



This preview shows how black text looks on a background with the XYZ color 13.1452, 14.8257, 12.5248.



This preview shows how white text looks on a background with the XYZ color 13.1452, 14.8257,

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

13.1452, 14.8257, 12.5248

Protanopia

13.9995, 14.7988, 12.2438

Deuteranopia

14.8967, 14.6462, 12.6315



Tritanopia

14.2961, 14.8174, 18.3262

Trichromacy



Original Color

13.1452, 14.8257, 12.5248

Protanomaly

13.6010, 14.7490, 12.2552

Deuteranomaly

14.2446, 14.7611, 12.6881

Tritanomaly

13.8421, 14.7899, 16.0351

Monochromacy



Original Color

13.1452, 14.8257, 12.5248

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.4324, 14.4582, 14.3947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1452, 14.8257, 12.5248 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(103, 110, 93)` looks like.

```
.text, #text, p{  
    color:rgb(103, 110, 93)  
}
```

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(103, 110, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 110, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.1452, 14.8257, 12.5248 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(103, 110, 93) }
```


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

```
.border{ border-color:rgb(103, 110, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 110, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 110, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 110, 93);  
box-shadow:4px 4px 4px 4px rgb(103, 110,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1452, 14.8257, 12.5248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 110, 93) }
```

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

```
.background{ background-color: rgb(103,  
110, 93) }
```

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