

Converting Colors

XYZ(13.3426, 14.2891, 14.5151)

Have a look what the booklet for
XYZ(13.3426, 14.2891, 14.5151)
contains.

XYZ(13.3780, 14.2706, 14.6198)	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(13.3780, 14.2706,
14.6198)**

Conversions

Conversions Part 1

Format	Color
Hex	696A66
RGB	105, 106, 102
RGB Percent	41%, 42%, 40%
CMY	0.5882, 0.5843, 0.6000
CMYK	0.01, 0.00, 0.04, 0.58
HSL	75°, 2%, 41%
HSV	75°, 4%, 42%
XYZ	13.3780, 14.2706, 14.6198
YIQ	105.2450, 0.6880, -1.4560

Conversions

Conversions Part 2

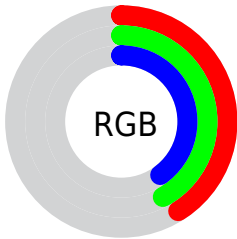
Format	Color
R_{YB}	102, 106, 103
Decimal	6908518
CIE Lab	44.62, -1.20, 2.10
CIE LCh	45, 2.419, 119.698
Yxy	14.2706, 0.3165, 0.3376
Android (android.graphics.Color)	4285098598 (0xFF696A66)
YUV	105.2450, -1.5998, -0.2149
Hunter-Lab	37.7764, -2.8955, 3.4978

Details

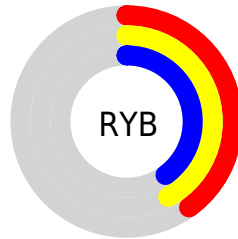
The XYZ color **13.3780, 14.2706, 14.6198** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.9469, 13.4273, 15.5457**, and the grayscale version is **13.4981, 14.2010, 15.4649**.

A 20% lighter version of the original color is **31.5170, 33.4818, 34.9385**, and **3.9985, 4.3033, 4.2343** is the 20% darker color. If you saturate the color by 10%, you get **12.5789, 13.9160, 12.0115**, and if you desaturate by 10%, it is **14.2549, 14.6584, 17.5834**.

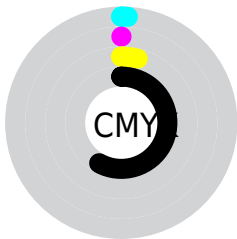
Distribution



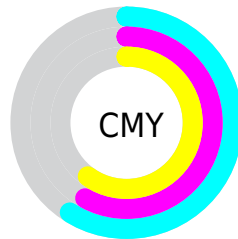
- Red (41%)
- Green (42%)
- Blue (40%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (4%)
- Black (58%)



- Cyan (59%)
- Magenta (58%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3780, 14.2706, 14.6198 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 13.3780, 14.2706, 14.6198 by changing the saturation by 10% instead.

■ 13.3780, 14.2706,
14.6198

■ 13.3780, 14.2706,
14.6198

206.9152,
218.9078, 232.6142

■ 7.7681, 8.3091,
8.4093

■ 31.5768, 33.5684,
34.9176

■ 3.9975, 4.2934,
4.2665

■ 44.8964, 47.6735,
49.8421

■ 1.7007, 1.8390,
1.7726

■ 61.5167, 65.2619,
68.5082

■ 0.4567, 0.5113,
0.4098

■ 81.8030, 86.7181,
91.3347

■ 0.0000, 0.0000,
0.0000

106.1206,
112.4264, 118.7400

134.8350,

142.7711, 151.1427

168.3114,
178.1368, 188.9612

■ 13.3780, 14.2706,
14.6198

■ 13.3780, 14.2706,
14.6198

■ 12.5789, 13.9160,
12.0115

■ 14.2549, 14.6584,
17.5834

■ 11.8537, 13.5916,
9.7441

■ 15.2109, 15.0785,
20.9138

■ 11.2001, 13.2969,
7.8038

■ 16.2487, 15.5324,
24.6235

■ 10.6152, 13.0308,
6.1754

■ 17.3705, 16.0212,
28.7238

■ 10.0956, 12.7919,
4.8427

■ 18.5786, 16.5456,
33.2257

■ 9.6380, 12.5789,
3.7877

■ 19.8751, 17.1065,
38.1398

■ 9.2386, 12.3902,
2.9907

■ 21.2619, 17.7048,
43.4762

■ 8.8928, 12.2240,
2.4293

■ 22.7409, 18.3411,
49.2448

■ 8.5939, 12.0776,
2.0678

■ 24.3141, 19.0163,
55.4549

Harmonies

Analogous

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



13.5658, 14.2706, 14.4842



13.3780, 14.2706, 14.6198



13.2411, 14.2706, 15.0002

Triad

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



13.3780, 14.2706, 14.6198



13.3746, 14.2706, 16.4885



13.9440, 14.2706, 15.5440

Complementary

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



13.3780, 14.2706, 14.6198



12.9469, 13.4273, 15.5457

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.



13.8916, 14.2706, 16.0890



13.3780, 14.2706, 14.6198



13.5618, 14.2706, 16.6423

Square

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



13.3780, 14.2706, 14.6198



13.2392, 14.2706, 16.0789



13.7513, 14.2706, 16.4944



13.8936, 14.2706, 15.0099

Rectangle

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



13.3780, 14.2706, 14.6198



13.1965, 14.2706, 15.3461



13.7513, 14.2706, 16.4944



13.9378, 14.2706, 15.7320

Sweetspot

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



13.3784, 14.2712, 14.6201



23.8873, 25.2262, 27.0232



13.1929, 13.7244, 14.5243



5.5987, 5.9106, 6.3405



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.



13.3784, 14.2712, 14.6201



23.2792, 24.9569, 24.9973



13.1463, 14.1516, 14.6092



3.3362, 3.5799, 3.5710



10.4147, 14.8642, 2.3202



52.2439, 75.3148, 11.7837

Inverse Universe

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



12.9469, 13.4273, 15.5457



22.2574, 22.9583, 27.1893



13.1791, 13.5470, 15.5566



3.1828, 3.2797, 3.9002



3.7456, 1.5580, 17.0256



18.3928, 7.5814, 86.7202

Previews

White Background



This preview shows how the XYZ color 13.3780, 14.2706, 14.6198 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 13.3780, 14.2706, 14.6198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

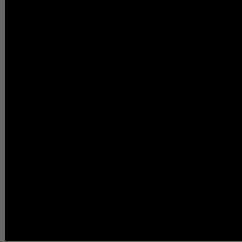
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.3780, 14.2706, 14.6198

Background



This preview shows how black text looks on a background with the XYZ color 13.3780, 14.2706, 14.6198.



This preview shows how white text looks on a background with the XYZ color 13.3780, 14.2706,

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

13.3780, 14.2706, 14.6198

Protanopia

13.5849, 14.2309, 14.3428

Deuteranopia

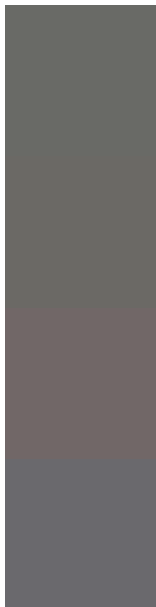
14.5357, 14.2639, 14.8191



Tritanopia

13.9944, 14.2187, 17.6297

Trichromacy



Original Color

13.3780, 14.2706, 14.6198

Protanomaly

13.4639, 14.1685, 14.3371

Deuteranomaly

14.1085, 14.1905, 14.8274

Tritanomaly

13.7558, 14.2714, 16.4977

Monochromacy



Original Color

13.3780, 14.2706, 14.6198

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.3760, 14.1059, 15.1144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3780, 14.2706, 14.6198 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(105, 106, 102) looks like.

```
.text, #text, p{  
    color:rgb(105, 106, 102)  
}
```

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(105, 106, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 106, 102) }
```

Border

The CSS property to change the border of an element to XYZ 13.3780, 14.2706, 14.6198 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(105, 106, 102) }
```


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

```
.border{ border-color:rgb(105, 106, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 106, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 106, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 106, 102);  
box-shadow:4px 4px 4px 4px rgb(105, 106,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3780, 14.2706, 14.6198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 106, 102) }
```

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

```
.background{ background-color: rgb(105,  
106, 102) }
```

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