

Converting Colors

XYZ(13.7599, 14.7316, 16.7704)

Have a look what the booklet for
XYZ(13.7599, 14.7316, 16.7704)
contains.

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Color

**XYZ(13.7706, 14.7345,
16.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	676C6E
RGB	103, 108, 110
RGB Percent	40%, 42%, 43%
CMY	0.5961, 0.5765, 0.5686
CMYK	0.06, 0.02, 0.00, 0.57
HSL	197°, 3%, 42%
HSV	197°, 6%, 43%
XYZ	13.7706, 14.7345, 16.8701
YIQ	106.7330, -3.6220, -0.4380

Conversions

Conversions Part 2

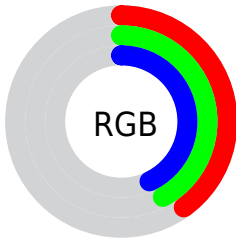
Format	Color
R_{YB}	103, 106, 110
Decimal	6777966
CIE _{Lab}	45.27, -1.48, -1.78
CIE _{LCh}	45, 2.318, 230.329
Yxy	14.7345, 0.3035, 0.3247
Android (android.graphics.Color)	4284968046 (0xFF676C6E)
YUV	106.7330, 1.6106, -3.2738
Hunter-Lab	38.3855, -3.1388, 0.8125

Details

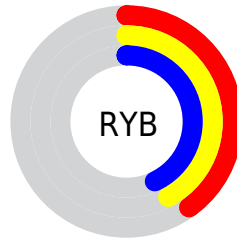
The XYZ color **13.7706, 14.7345, 16.8701** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9303, 14.3974, 14.8771**, and the grayscale version is **13.8980, 14.6218, 15.9232**.

A 20% lighter version of the original color is **32.2462, 34.2749, 39.0986**, and **4.1968, 4.5371, 5.3572** is the 20% darker color. If you saturate the color by 10%, you get **12.2658, 13.4763, 16.7068**, and if you desaturate by 10%, it is **15.4542, 16.1034, 17.0458**.

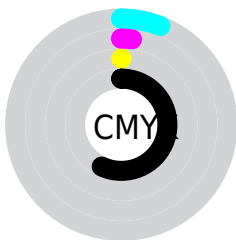
Distribution



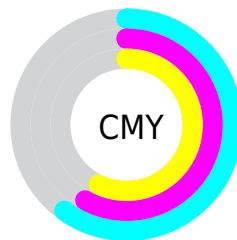
- Red (40%)
- Green (42%)
- Blue (43%)



- Red (40%)
- Yellow (42%)
- Blue (43%)



- Cyan (6%)
- Magenta (2%)
- Yellow (0%)
- Black (57%)



- Cyan (60%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.7706, 14.7345, 16.8701 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 13.7706, 14.7345, 16.8701 by changing the saturation by 10% instead.

■ 13.7706, 14.7345,
16.8701

■ 13.7706, 14.7345,
16.8701

209.3383,
221.7535, 246.4412

■ 8.0419, 8.6333,
9.9809

■ 32.2711, 34.3867,
38.8899

■ 4.1738, 4.5028,
5.2809

■ 45.7737, 48.7065,
54.8576

■ 1.8009, 1.9586,
2.3514

■ 62.5982, 66.5346,
74.6886

■ 0.5182, 0.5832,
0.7598

■ 83.1101, 88.2554,
98.8013

■ 0.0000, 0.0000,
0.0000

107.6747,
114.2533, 127.6144

136.6574,

144.9127, 161.5464

170.4235,
180.6180, 201.0159

■ 13.7706, 14.7345,
16.8701

■ 13.7706, 14.7345,
16.8701

■ 12.2658, 13.4763,
16.7068

■ 15.4542, 16.1034,
17.0458

■ 10.9321, 12.3234,
16.5545

■ 17.3215, 17.5845,
17.2333

■ 9.7627, 11.2726,
16.4134

■ 19.3788, 19.1816,
17.4331

■ 8.7503, 10.3199,
16.2828

■ 21.6319, 20.8979,
17.6456

■ 7.8868, 9.4608,
16.1625

■ 24.0860, 22.7362,
17.8711

■ 7.1633, 8.6908,
16.0520

■ 26.7463, 24.6995,
18.1099

■ 6.5700, 8.0044,
15.9508

■ 29.6179, 26.7904,
18.3621

■ 6.0957, 7.3956,
15.8583

■ 32.7054, 29.0116,
18.6281

■ 5.7143, 6.8510,
15.7733

■ 36.0137, 31.3656,
18.9081

Harmonies

Analogous

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



13.6617, 14.7345, 16.4131



13.7706, 14.7345, 16.8701



13.9428, 14.7345, 17.1072

Triad

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



13.7706, 14.7345, 16.8701



14.3714, 14.7345, 16.2214



13.8770, 14.7345, 15.0733

Complementary

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



13.7706, 14.7345, 16.8701



13.9303, 14.3974, 14.8771

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.



14.0667, 14.7345, 15.0246



13.7706, 14.7345, 16.8701



14.3534, 14.7345, 15.6792

Square

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



13.7706, 14.7345, 16.8701



14.2905, 14.7345, 16.7271



14.2414, 14.7345, 15.2441



13.7228, 14.7345, 15.3785

Rectangle

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



13.7706, 14.7345, 16.8701



14.0709, 14.7345, 17.1050



14.2414, 14.7345, 15.2441



13.9387, 14.7345, 15.0266

Sweetspot

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



13.7710, 14.7351, 16.8704



25.4193, 26.8891, 29.7576



13.7187, 15.0553, 15.5433



5.9267, 6.2666, 6.9260



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.



13.7710, 14.7351, 16.8704



23.6720, 25.4541, 29.5727



13.4108, 14.0147, 16.7503



3.3984, 3.6621, 4.2820



6.6799, 7.9500, 18.9040



32.5130, 38.0779, 93.9153

Inverse Universe

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



13.9878, 14.0986, 16.1721



24.1597, 24.0355, 27.9990



14.2925, 15.1219, 14.9978



3.4758, 3.4380, 4.0321



9.3900, 4.6484, 9.1297



46.3910, 23.0017, 43.4529

Previews

White Background



This preview shows how the XYZ color 13.7706, 14.7345, 16.8701 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 13.7706, 14.7345, 16.8701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

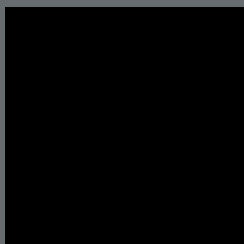
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

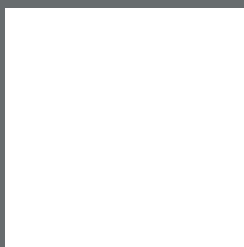
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.7706, 14.7345, 16.8701

Background



This preview shows how black text looks on a background with the XYZ color 13.7706, 14.7345, 16.8701.



This preview shows how white text looks on a background with the XYZ color 13.7706, 14.7345,

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

13.7706, 14.7345, 16.8701

Protanopia

14.0987, 14.6003, 16.5431

Deuteranopia

15.0220, 14.7613, 17.0964



Tritanopia

14.1190, 14.7194, 18.6200

Trichromacy



Original Color

13.7706, 14.7345, 16.8701

Protanomaly

13.9619, 14.6837, 16.5664

Deuteranomaly

14.4764, 14.6304, 17.0999

Tritanomaly

14.0039, 14.6734, 18.0137

Monochromacy



Original Color

13.7706, 14.7345, 16.8701

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.9083, 14.6623, 16.2844

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.7706, 14.7345, 16.8701 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, 108, 110)` looks like.

```
.text, #text, p{  
    color:rgb(103, 108, 110)  
}
```

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, 108, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 108, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.7706, 14.7345, 16.8701 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, 108, 110) }
```


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

```
.border{ border-color:rgb(103, 108, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 108, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 108, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 108, 110);  
box-shadow:4px 4px 4px 4px rgb(103, 108,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.7706, 14.7345, 16.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 108, 110) }
```

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

```
.background{ background-color: rgb(103,  
108, 110) }
```

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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