

Converting Colors

XYZ(14.4531, 16.6100, 15.3561)

Have a look what the booklet for
XYZ(14.4531, 16.6100, 15.3561)
contains.

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Color

**XYZ(14.4030, 16.5854,
15.2742)**

Conversions

Conversions Part 1

Format	Color
Hex	677567
RGB	103, 117, 103
RGB Percent	40%, 46%, 40%
CMY	0.5961, 0.5412, 0.5961
CMYK	0.12, 0.00, 0.12, 0.54
HSL	120°, 6%, 43%
HSV	120°, 12%, 46%
XYZ	14.4030, 16.5854, 15.2742
YIQ	111.2180, -3.8500, -7.3220

Conversions

Conversions Part 2

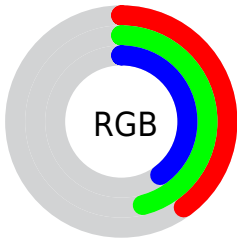
Format	Color
R_{YB}	103, 117, 117
Decimal	6780263
CIE Lab	47.73, -8.14, 5.97
CIE LCh	48, 10.096, 143.778
Yxy	16.5854, 0.3113, 0.3585
Android (android.graphics.Color)	4284970343 (0xFF677567)
YUV	111.2180, -4.0515, -7.2072
Hunter-Lab	40.7252, -8.1402, 6.2706

Details

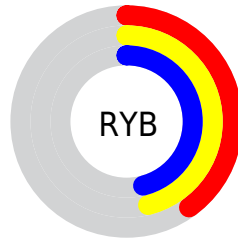
The XYZ color **14.4030, 16.5854, 15.2742** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.3978, 14.7672, 18.8691**, and the grayscale version is **15.1853, 15.9761, 17.3980**.

A 20% lighter version of the original color is **33.3471, 37.5791, 36.0678**, and **4.4728, 5.3825, 4.5446** is the 20% darker color. If you saturate the color by 10%, you get **12.6070, 15.7232, 12.3362**, and if you desaturate by 10%, it is **16.4699, 17.5787, 18.6546**.

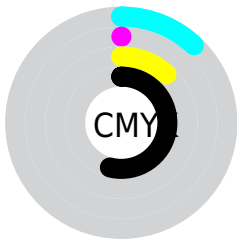
Distribution



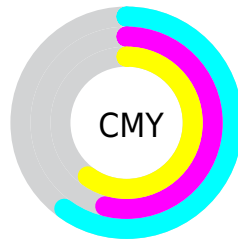
- Red (40%)
- Green (46%)
- Blue (40%)



- Red (40%)
- Yellow (46%)
- Blue (46%)



- Cyan (12%)
- Magenta (0%)
- Yellow (12%)
- Black (54%)



- Cyan (60%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4030, 16.5854, 15.2742 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 14.4030, 16.5854, 15.2742 by changing the saturation by 10% instead.

■ 14.4030, 16.5854,
15.2742

■ 14.4030, 16.5854,
15.2742

213.1845,
232.7717, 236.7176

■ 8.4851, 9.9393,
8.8633

■ 33.3827, 37.6115,
36.0826

■ 4.4613, 5.3588,
4.5565

■ 47.1752, 52.7604,
51.3171

■ 1.9663, 2.4593,
1.9354

■ 64.3233, 71.5123,
70.3300

■ 0.6149, 0.8561,
0.5151

■ 85.1923, 94.2517,
93.5397

■ 0.0000, 0.0000,
0.0000

110.1475,
121.3630, 121.3647

139.5544,

153.2304, 154.2237

173.7783,
190.2386, 192.5352

■ 14.4030, 16.5854,
15.2742

■ 14.4030, 16.5854,
15.2742

■ 12.6070, 15.7232,
12.3362

■ 16.4699, 17.5787,
18.6546

■ 11.0695, 14.9846,
9.8213

■ 18.8169, 18.7061,
22.4935

■ 9.7789, 14.3647,
7.7103

■ 21.4544, 19.9731,
26.8076

■ 8.7224, 13.8572,
5.9822

■ 24.3919, 21.3841,
31.6122

■ 7.8860, 13.4554,
4.6141

■ 27.6383, 22.9435,
36.9222

■ 7.2541, 13.1519,
3.5805

■ 31.2023, 24.6555,
42.7518

■ 6.8093, 12.9382,
2.8528

■ 35.0922, 26.5240,
49.1144

■ 6.5308, 12.8044,
2.3973

■ 39.3161, 28.5529,
56.0231

■ 6.3616, 12.7232,
2.1206

■ 43.8816, 30.7460,
63.4907

Harmonies

Analogous

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



15.0735, 16.5854, 13.8760



14.4030, 16.5854, 15.2742



14.0985, 16.5854, 17.5245

Triad

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



14.4030, 16.5854, 15.2742



15.5763, 16.5854, 23.4725



17.4085, 16.5854, 16.1253

Complementary

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



14.4030, 16.5854, 15.2742



15.3978, 14.7672, 18.8691

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.



17.5556, 16.5854, 18.6036



14.4030, 16.5854, 15.2742



16.4751, 16.5854, 23.0073

Square

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



14.4030, 16.5854, 15.2742



14.7591, 16.5854, 22.3791



17.2080, 16.5854, 21.1625



16.8134, 16.5854, 14.3335

Rectangle

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



14.4030, 16.5854, 15.2742



14.1355, 16.5854, 19.2702



17.2080, 16.5854, 21.1625



17.5129, 16.5854, 16.8990

Sweetspot

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



14.4035, 16.5861, 15.2746



28.6594, 31.0772, 32.0425



16.1463, 17.4846, 15.3560



6.5340, 7.1186, 7.2766



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



14.4035, 16.5861, 15.2746



24.9776, 29.3087, 26.0203



14.7698, 16.7326, 17.2036



3.6406, 4.0982, 3.9415



7.0088, 14.0175, 2.3363



34.1546, 68.3091, 11.3850

Inverse Universe

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



15.3978, 14.7672, 18.8691



27.0810, 25.4610, 33.6239



15.0014, 14.6086, 16.7814



3.8266, 3.7579, 4.6139



11.6203, 5.5818, 19.0066



56.6273, 27.2010, 92.6215

Previews

White Background



This preview shows how the XYZ color 14.4030, 16.5854, 15.2742 looks on a white background.

Color Contrast Check

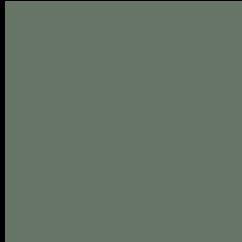
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4030, 16.5854, 15.2742 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

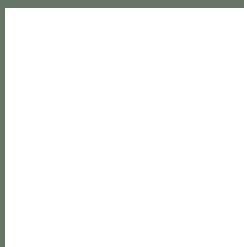
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.4030, 16.5854, 15.2742

Background



This preview shows how black text looks on a background with the XYZ color 14.4030, 16.5854, 15.2742.

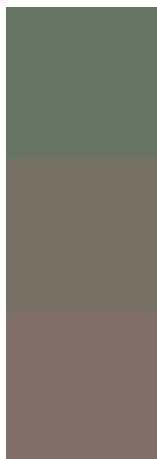


This preview shows how white text looks on a background with the XYZ color 14.4030, 16.5854,

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

14.4030, 16.5854, 15.2742

Protanopia

15.7253, 16.6014, 14.6875

Deuteranopia

16.7708, 16.4692, 15.6596



Tritanopia

15.5363, 16.5289, 21.1104

Trichromacy



Original Color

14.4030, 16.5854, 15.2742

Protanomaly

15.2256, 16.5046, 14.9536

Deuteranomaly

15.7641, 16.4394, 15.4390

Tritanomaly

15.1088, 16.5257, 18.9165

Monochromacy



Original Color

14.4030, 16.5854, 15.2742

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7962, 16.0811, 16.5115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4030, 16.5854, 15.2742 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, 117, 103)` looks like.

```
.text, #text, p{  
    color:rgb(103, 117, 103)  
}
```

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, 117, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 117, 103) }
```

Border

The CSS property to change the border of an element to XYZ 14.4030, 16.5854, 15.2742 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, 117, 103) }
```


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

```
.border{ border-color:rgb(103, 117, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 117, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 117, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 117, 103);  
box-shadow:4px 4px 4px 4px rgb(103, 117,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4030, 16.5854, 15.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 117, 103) }
```

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

```
.background{ background-color: rgb(103,  
117, 103) }
```

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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