

Converting Colors

XYZ(14.1633, 16.7102, 14.9696)

Have a look what the booklet for
XYZ(14.1633, 16.7102, 14.9696)
contains.

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Color

**XYZ(14.1322, 16.6255,
15.0346)**

Conversions

Conversions Part 1

Format	Color
Hex	647666
RGB	100, 118, 102
RGB Percent	39%, 46%, 40%
CMY	0.6078, 0.5372, 0.6000
CMYK	0.15, 0.00, 0.14, 0.54
HSL	127°, 8%, 43%
HSV	127°, 15%, 46%
XYZ	14.1322, 16.6255, 15.0346
YIQ	110.7940, -5.5920, -8.7920

Conversions

Conversions Part 2

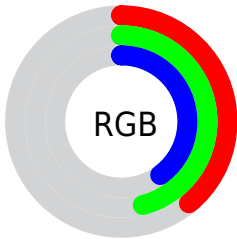
Format	Color
R_{YB}	100, 116, 118
Decimal	6583910
CIE _{Lab}	47.78, -10.05, 6.60
CIE _{LCh}	48, 12.021, 146.696
Yxy	16.6255, 0.3086, 0.3631
Android (android.graphics.Color)	4284773990 (0xFF647666)
YUV	110.7940, -4.3354, -9.4663
Hunter-Lab	40.7744, -9.4879, 6.6803

Details

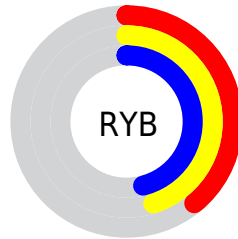
The XYZ color **14.1322, 16.6255, 15.0346** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1813, 14.2271, 18.4696**, and the grayscale version is **15.0634, 15.8479, 17.2583**.

A 20% lighter version of the original color is **32.8870, 37.6287, 35.6667**, and **4.3479, 5.4130, 4.4301** is the 20% darker color. If you saturate the color by 10%, you get **12.4327, 15.8062, 12.4094**, and if you desaturate by 10%, it is **16.0875, 17.5700, 18.0161**.

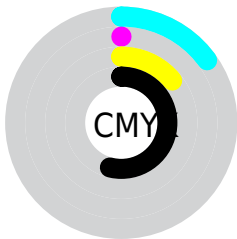
Distribution



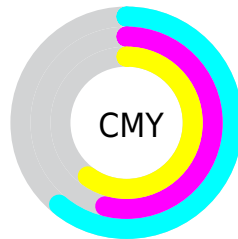
- Red (39%)
- Green (46%)
- Blue (40%)



- Red (39%)
- Yellow (45%)
- Blue (46%)



- Cyan (15%)
- Magenta (0%)
- Yellow (14%)
- Black (54%)



- Cyan (61%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.1322, 16.6255, 15.0346 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 14.1322, 16.6255, 15.0346 by changing the saturation by 10% instead.

■ 14.1322, 16.6255,
15.0346

■ 14.1322, 16.6255,
15.0346

211.5459,
233.0049, 235.2235

■ 8.2950, 9.9678,
8.6968

■ 32.9077, 37.6807,
35.6570

■ 4.3377, 5.3776,
4.4498

■ 46.5767, 52.8471,
50.7787

■ 1.8949, 2.4705,
1.8752

■ 63.5871, 71.6185,
69.6654

■ 0.5739, 0.8618,
0.4769

■ 84.3041, 94.3794,
92.7357

■ 0.0000, 0.0000,
0.0000

109.0931,
121.5140, 120.4082

138.3195,

153.4069, 153.1012

172.3487,
190.4424, 191.2335

■ 14.1322, 16.6255,
15.0346

■ 14.1322, 16.6255,
15.0346

■ 12.4327, 15.8062,
12.4094

■ 16.0875, 17.5700,
18.0161

■ 10.9772, 15.1049,
10.1262

■ 18.3072, 18.6425,
21.3653

■ 9.7548, 14.5167,
8.1711

■ 20.8011, 19.8482,
25.0947

■ 8.7533, 14.0357,
6.5292

■ 23.5782, 21.1915,
29.2157

■ 7.9594, 13.6554,
5.1840

■ 26.6471, 22.6766,
33.7391

■ 7.3584, 13.3686,
4.1180

■ 30.0157, 24.3074,
38.6755

■ 6.9337, 13.1671,
3.3114

■ 33.6922, 26.0879,
44.0351

■ 6.6588, 13.0376,
2.7417

■ 37.6839, 28.0216,
49.8275

■ 6.5522, 12.9869,
2.5461

■ 41.9981, 30.1122,
56.0623

Harmonies

Analogous

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



14.8890, 16.6255, 13.2999



14.1322, 16.6255, 15.0346



13.8217, 16.6255, 17.7624

Triad

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



14.1322, 16.6255, 15.0346



15.6829, 16.6255, 24.6990



17.7271, 16.6255, 15.5642

Complementary

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



14.1322, 16.6255, 15.0346



15.1813, 14.2271, 18.4696

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.



17.9630, 16.6255, 18.4466



14.1322, 16.6255, 15.0346



16.7517, 16.6255, 23.9406

Square

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



14.1322, 16.6255, 15.0346



14.6910, 16.6255, 23.5308



17.5985, 16.6255, 21.5613



16.9677, 16.6255, 13.5804

Rectangle

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



14.1322, 16.6255, 15.0346



13.8986, 16.6255, 19.8620



17.5985, 16.6255, 21.5613



17.8717, 16.6255, 16.4498

Sweetspot

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



14.1327, 16.6262, 15.0350



28.3340, 30.9156, 31.7498



16.0085, 17.6045, 14.6109



6.4683, 7.0857, 7.2298



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.



14.1327, 16.6262, 15.0350



23.8467, 28.7494, 24.8946



14.5927, 16.8102, 17.4574



3.6557, 4.1042, 4.0206



7.0854, 14.0481, 2.7396



34.3615, 68.3918, 12.4744

Inverse Universe

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



15.1813, 14.2271, 18.4696



26.0290, 23.7563, 32.0420



14.6932, 14.0319, 15.8995



3.8100, 3.7513, 4.5260



10.8322, 5.2666, 14.8562



52.5902, 25.5862, 71.3624

Previews

White Background



This preview shows how the XYZ color 14.1322, 16.6255, 15.0346 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 14.1322, 16.6255, 15.0346 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 14.1322, 16.6255, 15.0346

Background



This preview shows how black text looks on a background with the XYZ color 14.1322, 16.6255, 15.0346.

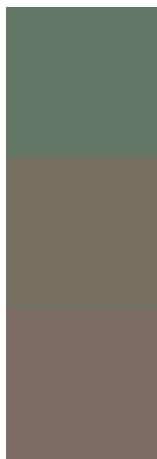


This preview shows how white text looks on a background with the XYZ color 14.1322, 16.6255,

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

14.1322, 16.6255, 15.0346

Protanopia

15.6285, 16.5627, 14.1776

Deuteranopia

16.8694, 16.5259, 15.3974



Tritanopia

15.4777, 16.6598, 21.4687

Trichromacy



Original Color

14.1322, 16.6255, 15.0346

Protanomaly

14.9865, 16.5611, 14.4633

Deuteranomaly

15.7136, 16.4192, 15.1730

Tritanomaly

14.9913, 16.6353, 18.9438

Monochromacy



Original Color

14.1322, 16.6255, 15.0346

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.7875, 16.2431, 16.5432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.1322, 16.6255, 15.0346 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(100, 118, 102)` looks like.

```
.text, #text, p{  
    color:rgb(100, 118, 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(100, 118, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 118, 102) }
```

Border

The CSS property to change the border of an element to XYZ 14.1322, 16.6255, 15.0346 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(100, 118, 102) }
```


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

```
.border{ border-color:rgb(100, 118, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 118, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 118, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 118, 102);  
box-shadow:4px 4px 4px 4px rgb(100, 118,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 14.1322, 16.6255, 15.0346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 118, 102) }
```

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

```
.background{ background-color: rgb(100,  
118, 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](#).

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