

Converting Colors

XYZ(16.3677, 15.2687, 15.9444)

Have a look what the booklet for
XYZ(16.3677, 15.2687, 15.9444)
contains.

XYZ(16.4062, 15.3512, 16.0083)	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(16.4062, 15.3512,
16.0083)**

Conversions

Conversions Part 1

Format	Color
Hex	80676B
RGB	128, 103, 107
RGB Percent	50%, 40%, 42%
CMY	0.4980, 0.5961, 0.5804
CMYK	0.00, 0.20, 0.16, 0.50
HSL	350°, 11%, 45%
HSV	350°, 20%, 50%
XYZ	16.4062, 15.3512, 16.0083
YIQ	110.9310, 13.6160, 6.5440

Conversions

Conversions Part 2

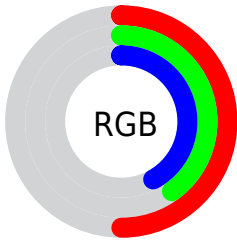
Format	Color
R_{YB}	128, 103, 107
Decimal	8415083
CIE _{Lab}	46.11, 10.67, 1.53
CIE _{LCh}	46, 10.781, 8.162
Yxy	15.3512, 0.3435, 0.3214
Android (android.graphics.Color)	4286605163 (0xFF80676B)
YUV	110.9310, -1.9380, 14.9695
Hunter-Lab	39.1806, 6.1777, 3.2019

Details

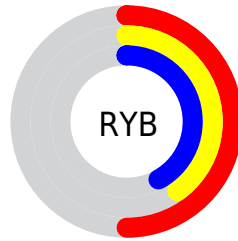
The XYZ color **16.4062, 15.3512, 16.0083** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.9514, 19.7776, 21.9938**, and the grayscale version is **15.0924, 15.8784, 17.2916**.

A 20% lighter version of the original color is **36.7832, 35.4036, 37.2426**, and **5.3717, 4.7743, 4.9134** is the 20% darker color. If you saturate the color by 10%, you get **14.6983, 12.7850, 12.8193**, and if you desaturate by 10%, it is **18.3803, 18.3368, 19.6335**.

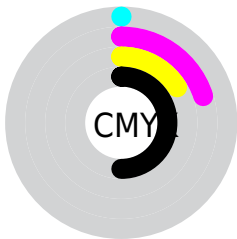
Distribution



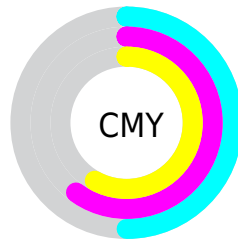
- Red (50%)
- Green (40%)
- Blue (42%)



- Red (50%)
- Yellow (40%)
- Blue (42%)



- Cyan (0%)
- Magenta (20%)
- Yellow (16%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4062, 15.3512, 16.0083 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 16.4062, 15.3512, 16.0083 by changing the saturation by 10% instead.

■ 16.4062, 15.3512,
16.0083

■ 16.4062, 15.3512,
16.0083

224.9504,
225.4822, 241.2381

■ 9.9047, 9.0662,
9.3756

■ 36.8537, 35.4681,
37.3796

■ 5.3976, 4.7844,
4.8868

■ 51.5305, 50.0689,
52.9553

■ 2.5195, 2.1213,
2.1234

■ 69.6631, 68.2103,
72.3491

■ 0.9051, 0.6766,
0.6297

■ 91.6168, 90.2769,
95.9795

■ 0.0000, 0.0000,
0.0000

117.7570,
116.6530, 124.2650

148.4492,

147.7230, 157.6243

184.0585,
183.8712, 196.4758

■ 16.4062, 15.3512,
16.0083

■ 16.4062, 15.3512,
16.0083

■ 14.6983, 12.7850,
12.8193

■ 18.3803, 18.3368,
19.6335

■ 13.2438, 10.6173,
10.0491

■ 20.6300, 21.7573,
23.7097

■ 12.0309, 8.8289,
7.6804

■ 23.1659, 25.6298,
28.2518

■ 11.0465, 7.3977,
5.6945

■ 25.9974, 29.9700,
33.2741

■ 10.2758, 6.2997,
4.0710

■ 29.1339, 34.7929,
38.7902

■ 9.7027, 5.5077,
2.7878

■ 32.5841, 40.1126,
44.8130

■ 9.3084, 4.9903,
1.8199

■ 36.3563, 45.9428,
51.3551

■ 9.0439, 4.6564,
1.1304

■ 40.4586, 52.2966,
58.4284

■ 9.0327, 4.6415,
1.1038

■ 44.8989, 59.1867,
66.0449

Harmonies

Analogous

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



16.2890, 15.3512, 18.6639



16.4062, 15.3512, 16.0083



16.0212, 15.3512, 13.7856

Triad

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



16.4062, 15.3512, 16.0083



13.5286, 15.3512, 13.0515



13.9449, 15.3512, 21.8524

Complementary

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



16.4062, 15.3512, 16.0083



16.9514, 19.7776, 21.9938

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.



13.2483, 15.3512, 20.0322



16.4062, 15.3512, 16.0083



13.0150, 15.3512, 14.9064

Square

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



16.4062, 15.3512, 16.0083



14.3420, 15.3512, 12.1991



12.9146, 15.3512, 17.4419



14.8426, 15.3512, 22.2266

Rectangle

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



16.4062, 15.3512, 16.0083



15.5406, 15.3512, 12.7824



12.9146, 15.3512, 17.4419



13.6806, 15.3512, 21.3809

Sweetspot

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



16.4066, 15.3519, 16.0086



33.6489, 34.2394, 36.9110



17.0351, 15.5324, 22.5225



7.8311, 7.9449, 8.5564



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.4066, 15.3519, 16.0086



27.6281, 25.1349, 25.8489



17.0717, 17.0108, 15.2164



4.3537, 4.3546, 4.6669



8.9568, 4.6024, 1.0965



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.4066, 15.3519, 16.0086



27.6281, 25.1349, 25.8489



16.1668, 17.7955, 23.0051



4.3537, 4.3546, 4.6669



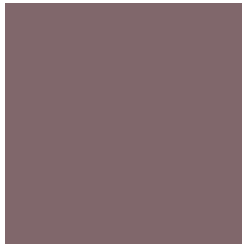
8.9568, 4.6024, 1.0965



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.4062, 15.3512, 16.0083 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 16.4062, 15.3512, 16.0083 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 16.4062, 15.3512, 16.0083

Background



This preview shows how black text looks on a background with the XYZ color 16.4062, 15.3512, 16.0083.



This preview shows how white text looks on a background with the XYZ color 16.4062, 15.3512,

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

16.4062, 15.3512, 16.0083

Protanopia

14.8387, 15.4426, 16.9505

Deuteranopia

15.6407, 15.4136, 15.7864



Tritanopia

16.4679, 15.2177, 16.8212

Trichromacy



Original Color

16.4062, 15.3512, 16.0083

Protanomaly

15.3541, 15.4014, 16.6315

Deuteranomaly

15.9653, 15.4288, 15.7723

Tritanomaly

16.4138, 15.1961, 16.5360

Monochromacy



Original Color

16.4062, 15.3512, 16.0083

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.5132, 15.6328, 16.9517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4062, 15.3512, 16.0083 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(128, 103, 107)` looks like.

```
.text, #text, p{  
    color:rgb(128, 103, 107)  
}
```

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(128, 103, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 103, 107) }
```

Border

The CSS property to change the border of an element to XYZ 16.4062, 15.3512, 16.0083 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(128, 103, 107) }
```


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

```
.border{ border-color:rgb(128, 103, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 103, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(128, 103,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4062, 15.3512, 16.0083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 103, 107) }
```

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

```
.background{ background-color: rgb(128,  
103, 107) }
```

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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