

Converting Colors

XYZ(15.6375, 16.3648, 15.4102)

Have a look what the booklet for
XYZ(15.6375, 16.3648, 15.4102)
contains.

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Color

**XYZ(15.6290, 16.3697,
15.4326)**

Conversions

Conversions Part 1

Format	Color
Hex	757068
RGB	117, 112, 104
RGB Percent	46%, 44%, 41%
CMY	0.5412, 0.5608, 0.5922
CMYK	0.00, 0.04, 0.11, 0.54
HSL	37°, 6%, 43%
HSV	37°, 11%, 46%
XYZ	15.6290, 16.3697, 15.4326
YIQ	112.5830, 5.5480, -1.4280

Conversions

Conversions Part 2

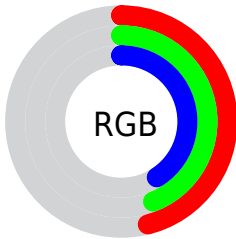
Format	Color
R_{YB}	112, 117, 104
Decimal	7696488
CIE _{Lab}	47.46, 0.41, 5.13
CIE _{LCh}	47, 5.146, 85.429
Yxy	16.3697, 0.3295, 0.3451
Android (android.graphics.Color)	4285886568 (0xFF757068)
YUV	112.5830, -4.2314, 3.8737
Hunter-Lab	40.4595, -1.8518, 5.7065

Details

The XYZ color **15.6290, 16.3697, 15.4326** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.3885, 15.1645, 18.9986**, and the grayscale version is **15.5840, 16.3955, 17.8547**.

A 20% lighter version of the original color is **35.5540, 37.3525, 36.3462**, and **5.0262, 5.2274, 4.6150** is the 20% darker color. If you saturate the color by 10%, you get **14.5916, 15.1808, 12.3554**, and if you desaturate by 10%, it is **16.7746, 17.6426, 18.9532**.

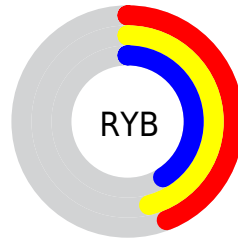
Distribution



Red (46%)

Green (44%)

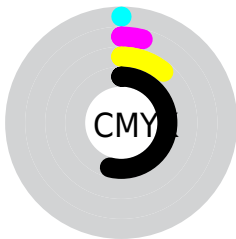
Blue (41%)



Red (44%)

Yellow (46%)

Blue (41%)

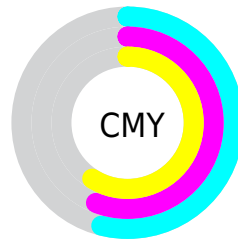


Cyan (0%)

Magenta (4%)

Yellow (11%)

Black (54%)



Cyan (54%)

Magenta (56%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6290, 16.3697, 15.4326 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 15.6290, 16.3697, 15.4326 by changing the saturation by 10% instead.

■ 15.6290, 16.3697,
15.4326

■ 15.6290, 16.3697,
15.4326

220.4562,
231.5135, 237.7002

■ 9.3512, 9.7861,
8.9736

■ 35.5156, 37.2388,
36.3633

■ 5.0299, 5.2574,
4.6274

■ 49.8551, 52.2932,
51.6720

■ 2.2997, 2.3991,
1.9754

■ 67.6125, 70.9400,
70.7678

■ 0.7945, 0.8254,
0.5401

■ 89.1532, 93.5635,
94.0691

■ 0.0000, 0.0000,
0.0000

114.8426,
120.5482, 121.9944

145.0460,

152.2785, 154.9623

180.1287,
189.1388, 193.3914

■ 15.6290, 16.3697,
15.4326

■ 15.6290, 16.3697,
15.4326

■ 14.5916, 15.1808,
12.3554

■ 16.7746, 17.6426,
18.9532

■ 13.6574, 14.0718,
9.7026

■ 18.0305, 18.9993,
22.9329

■ 12.8227, 13.0411,
7.4554

■ 19.4006, 20.4426,
27.3881

■ 12.0833, 12.0865,
5.5932

■ 20.8881, 21.9741,
32.3340

■ 11.4347, 11.2055,
4.0936

■ 22.4961, 23.5956,
37.7852

■ 10.8716, 10.3954,
2.9318

■ 24.2274, 25.3089,
43.7556

■ 10.3885, 9.6533,
2.0799

■ 26.0850, 27.1156,
50.2584

■ 9.9788, 8.9759,
1.5053

■ 28.0716, 29.0172,
57.3068

■ 9.6548, 8.4190,
1.1162

■ 30.1898, 31.0154,
64.9130

Harmonies

Analogous

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



16.0625, 16.3697, 15.8321



15.6290, 16.3697, 15.4326



15.1849, 16.3697, 15.6477

Triad

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



15.6290, 16.3697, 15.4326



14.7792, 16.3697, 18.9257



16.2932, 16.3697, 19.2893

Complementary

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



15.6290, 16.3697, 15.4326



14.3885, 15.1645, 18.9986

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.



15.9390, 16.3697, 20.1929



15.6290, 16.3697, 15.4326



15.0659, 16.3697, 19.9759

Square

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



15.6290, 16.3697, 15.4326



14.6999, 16.3697, 17.6241



15.4890, 16.3697, 20.4501



16.4508, 16.3697, 18.0250

Rectangle

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



15.6290, 16.3697, 15.4326



14.9417, 16.3697, 16.1165



15.4890, 16.3697, 20.4501



16.1929, 16.3697, 19.6477

Sweetspot

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



15.6294, 16.3704, 15.4330



29.6192, 31.1325, 32.6355



15.0578, 14.7912, 16.5861



6.7757, 7.1201, 7.3973



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.



15.6294, 16.3704, 15.4330



27.5575, 28.8276, 26.3420



16.0229, 17.4148, 15.6138



3.8540, 4.0410, 3.9192



10.6221, 9.2454, 1.2247



50.9147, 43.3579, 5.6854

Inverse Universe

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



14.3885, 15.1645, 18.9986



24.9291, 26.2736, 33.8944



14.0224, 14.2067, 18.8330



3.6054, 3.7994, 4.6336



4.5566, 3.4528, 18.9689



21.4296, 15.2759, 92.1794

Previews

White Background



This preview shows how the XYZ color 15.6290, 16.3697, 15.4326 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 15.6290, 16.3697, 15.4326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

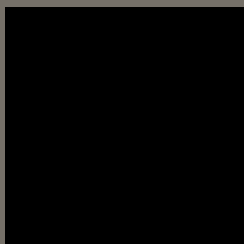
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

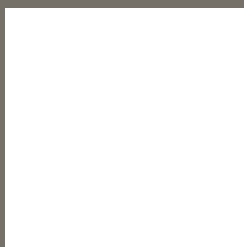
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6290, 16.3697, 15.4326

Background



This preview shows how black text looks on a background with the XYZ color 15.6290, 16.3697, 15.4326.



This preview shows how white text looks on a background with the XYZ color 15.6290, 16.3697,

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

15.6290, 16.3697, 15.4326

Protanopia

15.6290, 16.3697, 15.4326

Deuteranopia

16.6226, 16.3928, 15.6526



Tritanopia

16.4537, 16.3818, 19.4343

Trichromacy



Original Color

15.6290, 16.3697, 15.4326

Protanomaly

15.6290, 16.3697, 15.4326

Deuteranomaly

16.2941, 16.3827, 15.6680

Tritanomaly

16.1363, 16.4127, 17.9403

Monochromacy



Original Color

15.6290, 16.3697, 15.4326

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6590, 16.5135, 17.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6290, 16.3697, 15.4326 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(117, 112, 104)` looks like.

```
.text, #text, p{  
    color:rgb(117, 112, 104)  
}
```

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(117, 112, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 112, 104) }
```

Border

The CSS property to change the border of an element to XYZ 15.6290, 16.3697, 15.4326 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(117, 112, 104) }
```


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

```
.border{ border-color:rgb(117, 112, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 112, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 112, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 112, 104);  
box-shadow:4px 4px 4px 4px rgb(117, 112,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6290, 16.3697, 15.4326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 112, 104) }
```

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

```
.background{ background-color: rgb(117,  
112, 104) }
```

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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