

Converting Colors

XYZ(15.2429, 17.1663, 10.9915)

Have a look what the booklet for
XYZ(15.2429, 17.1663, 10.9915)
contains.

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Color

**XYZ(15.1640, 17.0757,
10.8842)**

Conversions

Conversions Part 1

Format	Color
Hex	747554
RGB	116, 117, 84
RGB Percent	45%, 46%, 33%
CMY	0.5451, 0.5412, 0.6706
CMYK	0.01, 0.00, 0.28, 0.54
HSL	62°, 16%, 39%
HSV	62°, 28%, 46%
XYZ	15.1640, 17.0757, 10.8842
YIQ	112.9390, 9.9970, -10.4750

Conversions

Conversions Part 2

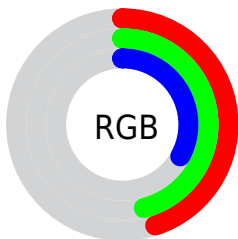
Format	Color
R_{YB}	84, 117, 85
Decimal	7632212
CIE _{Lab}	48.36, -6.21, 18.14
CIE _{LCh}	48, 19.171, 108.903
Yxy	17.0757, 0.3516, 0.3960
Android (android.graphics.Color)	4285822292 (0xFF747554)
YUV	112.9390, -14.2669, 2.6845
Hunter-Lab	41.3228, -6.8116, 13.3092

Details

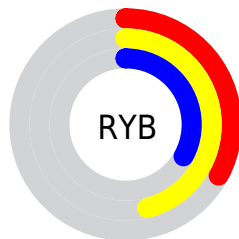
The XYZ color **15.1640, 17.0757, 10.8842** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.1282, 9.5567, 18.1414**, and the grayscale version is **15.7172, 16.5357, 18.0074**.

A 20% lighter version of the original color is **34.6395, 38.4220, 28.1447**, and **4.8091, 5.5960, 2.7461** is the 20% darker color. If you saturate the color by 10%, you get **14.6965, 16.8838, 8.6668**, and if you desaturate by 10%, it is **15.7091, 17.2998, 13.5056**.

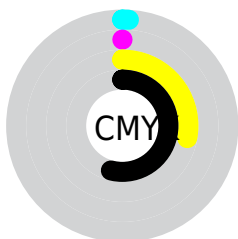
Distribution



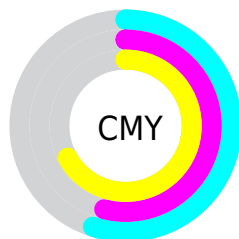
- Red (45%)
- Green (46%)
- Blue (33%)



- Red (33%)
- Yellow (46%)
- Blue (33%)



- Cyan (1%)
- Magenta (0%)
- Yellow (28%)
- Black (54%)



- Cyan (55%)
- Magenta (54%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1640, 17.0757, 10.8842 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 15.1640, 17.0757, 10.8842 by changing the saturation by 10% instead.

■ 15.1640, 17.0757,
10.8842

■ 15.1640, 17.0757,
10.8842

217.7255,
235.6082, 207.5802

■ 9.0216, 10.2885,
5.8758

■ 34.7099, 38.4559,
28.0792

■ 4.8125, 5.5906,
2.7022

■ 48.8442, 53.8176,
41.1029

■ 2.1713, 2.5978,
0.9445

■ 66.3731, 72.8064,
57.6355

■ 0.7275, 0.9256,
0.0000

■ 87.6621, 95.8064,
78.0955

■ 0.0000, 0.0000,
0.0000

■ 113.0765,
123.2023, 102.9014

142.9816,

155.3782, 132.4718

177.7428,
192.7188, 167.2252

■ 15.1640, 17.0757,
10.8842

■ 15.1640, 17.0757,
10.8842

■ 14.6965, 16.8838,
8.6668

■ 15.7091, 17.2998,
13.5056

■ 14.3016, 16.7204,
6.8323

■ 16.3341, 17.5553,
16.5486

■ 13.9754, 16.5846,
5.3592

■ 17.0427, 17.8442,
20.0309

■ 13.7136, 16.4745,
4.2239

■ 17.8380, 18.1679,
23.9692

■ 13.5110, 16.3880,
3.3993

■ 18.7231, 18.5275,
28.3789

■ 13.3617, 16.3230,
2.8548

■ 19.7007, 18.9241,
33.2750

■ 13.2492, 16.2726,
2.5029

■ 20.7736, 19.3589,
38.6717

■ 13.2294, 16.2638,
2.4420

■ 21.9443, 19.8328,
44.5827

■ 23.2153, 20.3468,
51.0210

Harmonies

Analogous

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



16.8863, 17.0757, 10.6483



15.1640, 17.0757, 10.8842



13.8238, 17.0757, 12.9499

Triad

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



15.1640, 17.0757, 10.8842



14.1169, 17.0757, 26.8418



19.7611, 17.0757, 20.5098

Complementary

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



15.1640, 17.0757, 10.8842



10.1282, 9.5567, 18.1414

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.



18.9002, 17.0757, 25.6741



15.1640, 17.0757, 10.8842



15.5908, 17.0757, 29.7436

Square

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



15.1640, 17.0757, 10.8842



13.2500, 17.0757, 21.8927



17.3447, 17.0757, 29.2816



19.6262, 17.0757, 15.6419

Rectangle

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



15.1640, 17.0757, 10.8842



13.2885, 17.0757, 15.3349



17.3447, 17.0757, 29.2816



19.5762, 17.0757, 22.2816

Sweetspot

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



15.1644, 17.0765, 10.8846



29.2479, 31.4346, 29.6317



12.1501, 10.8488, 9.8414



6.6903, 7.2133, 6.6455



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.



15.1644, 17.0765, 10.8846



26.5796, 30.3411, 16.7623



13.2122, 16.0700, 10.7932



3.9562, 4.2609, 3.9562



14.5727, 17.9169, 2.6902



70.8774, 87.2404, 13.1034

Inverse Universe

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



10.1282, 9.5567, 18.1414



15.9448, 14.4611, 32.0879



11.7542, 10.3950, 18.2175



3.5100, 3.5947, 4.5991



3.5843, 1.4391, 18.6314



17.3347, 6.9449, 90.7871

Previews

White Background



This preview shows how the XYZ color 15.1640, 17.0757, 10.8842 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 15.1640, 17.0757, 10.8842 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

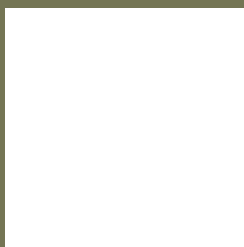
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1640, 17.0757, 10.8842

Background



This preview shows how black text looks on a background with the XYZ color 15.1640, 17.0757, 10.8842.



This preview shows how white text looks on a background with the XYZ color 15.1640, 17.0757,

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

15.1640, 17.0757, 10.8842

Protanopia

15.8604, 17.0970, 10.6477

Deuteranopia

17.2073, 16.9586, 10.9608



Tritanopia

17.1305, 17.0338, 20.4741

Trichromacy



Original Color

15.1640, 17.0757, 10.8842

Protanomaly

15.5525, 17.1084, 10.6662

Deuteranomaly

16.4469, 17.0553, 11.0195

Tritanomaly

16.3318, 17.0393, 16.6155

Monochromacy



Original Color

15.1640, 17.0757, 10.8842

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.3550, 16.5713, 14.9597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1640, 17.0757, 10.8842 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(116, 117, 84)` looks like.

```
.text, #text, p{  
    color:rgb(116, 117, 84)  
}
```

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(116, 117, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 117, 84) }
```

Border

The CSS property to change the border of an element to XYZ 15.1640, 17.0757, 10.8842 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(116, 117, 84) }
```


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

```
.border{ border-color:rgb(116, 117, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 117, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 117, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 117, 84);  
box-shadow:4px 4px 4px 4px rgb(116, 117,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1640, 17.0757, 10.8842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 117, 84) }
```

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

```
.background{ background-color: rgb(116,  
117, 84) }
```

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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