

Converting Colors

XYZ(15.6342, 17.8155, 11.1993)

Have a look what the booklet for
XYZ(15.6342, 17.8155, 11.1993)
contains.

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Color

**XYZ(15.6923, 17.8707,
11.2167)**

Conversions

Conversions Part 1

Format	Color
Hex	757855
RGB	117, 120, 85
RGB Percent	46%, 47%, 33%
CMY	0.5412, 0.5294, 0.6667
CMYK	0.03, 0.00, 0.29, 0.53
HSL	65°, 17%, 40%
HSV	65°, 29%, 47%
XYZ	15.6923, 17.8707, 11.2167
YIQ	115.1130, 9.4470, -11.5210

Conversions

Conversions Part 2

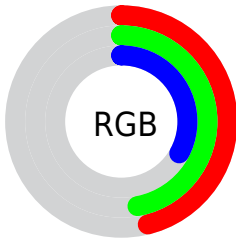
Format	Color
R_{YB}	85, 120, 88
Decimal	7698517
CIE Lab	49.34, -7.34, 18.90
CIE LCh	49, 20.272, 111.220
Yxy	17.8707, 0.3504, 0.3991
Android (android.graphics.Color)	4285888597 (0xFF757855)
YUV	115.1130, -14.8457, 1.6549
Hunter-Lab	42.2738, -7.7187, 13.8599

Details

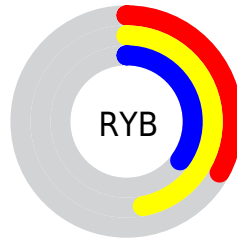
The XYZ color **15.6923, 17.8707, 11.2167** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.6638, 9.9283, 19.1246**, and the grayscale version is **16.3720, 17.2246, 18.7576**.

A 20% lighter version of the original color is **35.4879, 39.6893, 28.7121**, and **5.0675, 6.0102, 2.8124** is the 20% darker color. If you saturate the color by 10%, you get **15.1181, 17.6257, 8.9088**, and if you desaturate by 10%, it is **16.3498, 18.1504, 13.9513**.

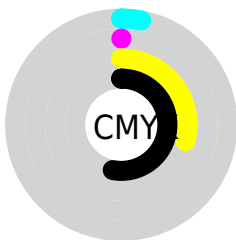
Distribution



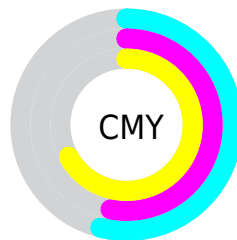
- Red (46%)
- Green (47%)
- Blue (33%)



- Red (33%)
- Yellow (47%)
- Blue (35%)



- Cyan (3%)
- Magenta (0%)
- Yellow (29%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6923, 17.8707, 11.2167 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 15.6923, 17.8707, 11.2167 by changing the saturation by 10% instead.

■ 15.6923, 17.8707,
11.2167

■ 15.6923, 17.8707,
11.2167

220.8254,
240.1412, 209.9388

■ 9.3961, 10.8572,
6.0968

■ 35.6250, 39.8169,
28.7029

■ 5.0596, 5.9709,
2.8343

■ 49.9922, 55.5183,
41.9063

■ 2.3174, 2.8274,
1.0107

■ 67.7805, 74.8846,
58.6413

■ 0.8036, 1.0423,
0.0000

■ 89.3552, 98.3000,
79.3264

■ 0.0000, 0.0000,
0.0000

■ 115.0817,
126.1490, 104.3802

145.3253,

158.8159, 134.2211

180.4514,
196.6852, 169.2678

■ 15.6923, 17.8707,
11.2167

■ 15.6923, 17.8707,
11.2167

■ 15.1181, 17.6257,
8.9088

■ 16.3498, 18.1504,
13.9513

■ 14.6217, 17.4115,
7.0051

■ 17.0931, 18.4640,
17.1316

■ 14.1992, 17.2269,
5.4825

■ 17.9262, 18.8136,
20.7765

■ 13.8457, 17.0702,
4.3154

■ 18.8524, 19.2007,
24.9037

■ 13.5557, 16.9390,
3.4748

■ 19.8748, 19.6264,
29.5300

■ 13.3229, 16.8308,
2.9272

■ 20.9966, 20.0921,
34.6713

■ 13.1272, 16.7377,
2.5675

■ 22.2206, 20.5989,
40.3427

■ 13.1110, 16.7300,
2.5382

■ 23.5496, 21.1478,
46.5589

■ 24.9863, 21.7399,
53.3338

Harmonies

Analogous

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



17.5516, 17.8707, 10.8136



15.6923, 17.8707, 11.2167



14.2837, 17.8707, 13.5925

Triad

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



15.6923, 17.8707, 11.2167



14.7903, 17.8707, 28.8493



20.8744, 17.8707, 21.1061

Complementary

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



15.6923, 17.8707, 11.2167



10.6638, 9.9283, 19.1246

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.



20.0083, 17.8707, 26.8069



15.6923, 17.8707, 11.2167



16.4318, 17.8707, 31.7951

Square

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



15.6923, 17.8707, 11.2167



13.7907, 17.8707, 23.5132



18.3480, 17.8707, 30.9849



20.6393, 17.8707, 15.8984

Rectangle

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



15.6923, 17.8707, 11.2167



13.7443, 17.8707, 16.2685



18.3480, 17.8707, 30.9849



20.7002, 17.8707, 23.0397

Sweetspot

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



15.6928, 17.8715, 11.2171



30.0549, 32.4700, 30.0979



12.8689, 11.6152, 10.1583



7.0832, 7.6784, 6.9620



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.6928, 17.8715, 11.2171



26.9075, 31.1357, 16.9312



13.5664, 16.7753, 11.1176



4.2755, 4.6173, 4.2904



14.2968, 18.2475, 2.7686



67.8404, 86.8584, 13.1898

Inverse Universe

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



10.6638, 9.9283, 19.1246



16.5443, 14.7639, 33.2308



12.5140, 10.8821, 19.2111



3.8266, 3.9085, 4.9959



3.8328, 1.5486, 19.4822



17.9655, 7.2235, 92.9172

Previews

White Background



This preview shows how the XYZ color 15.6923, 17.8707, 11.2167 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 15.6923, 17.8707, 11.2167 looks on a black 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

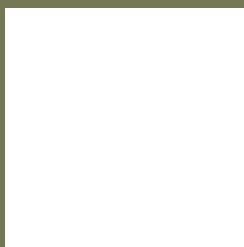
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6923, 17.8707, 11.2167

Background



This preview shows how black text looks on a background with the XYZ color 15.6923, 17.8707, 11.2167.



This preview shows how white text looks on a background with the XYZ color 15.6923, 17.8707,

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

15.6923, 17.8707, 11.2167

Protanopia

16.5657, 17.7983, 10.9498

Deuteranopia

17.9957, 17.6797, 11.4809



Tritanopia

17.7949, 17.8543, 21.5771

Trichromacy



Original Color

15.6923, 17.8707, 11.2167

Protanomaly

16.2470, 17.8079, 10.9685

Deuteranomaly

17.0164, 17.6792, 11.3197

Tritanomaly

16.9215, 17.8414, 17.3037

Monochromacy



Original Color

15.6923, 17.8707, 11.2167

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0624, 17.4351, 15.6154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6923, 17.8707, 11.2167 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, 120, 85)` looks like.

```
.text, #text, p{  
    color:rgb(117, 120, 85)  
}
```

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, 120, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 120, 85) }
```

Border

The CSS property to change the border of an element to XYZ 15.6923, 17.8707, 11.2167 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, 120, 85) }
```


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

```
.border{ border-color:rgb(117, 120, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 120, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 120, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 120, 85);  
box-shadow:4px 4px 4px 4px rgb(117, 120,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6923, 17.8707, 11.2167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 120, 85) }
```

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

```
.background{ background-color: rgb(117,  
120, 85) }
```

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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