

Converting Colors

XYZ(15.0900, 17.7487, 8.6161)

Have a look what the booklet for
XYZ(15.0900, 17.7487, 8.6161)
contains.

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Color

**XYZ(15.1772, 17.8427,
8.6053)**

Conversions

Conversions Part 1

Format	Color
Hex	747947
RGB	116, 121, 71
RGB Percent	45%, 47%, 28%
CMY	0.5451, 0.5255, 0.7216
CMYK	0.04, 0.00, 0.41, 0.53
HSL	66°, 26%, 38%
HSV	66°, 41%, 47%
XYZ	15.1772, 17.8427, 8.6053
YIQ	113.8050, 13.0700, -16.6100

Conversions

Conversions Part 2

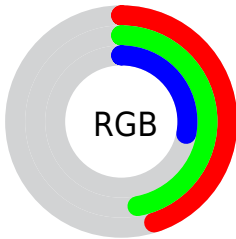
Format	Color
RYB	71, 121, 76
Decimal	7633223
CIELab	49.30, -10.22, 26.77
CIElCh	49, 28.652, 110.907
Yxy	17.8427, 0.3646, 0.4287
Android (android.graphics.Color)	4285823303 (0xFF747947)
YUV	113.8050, -21.1029, 1.9250
Hunter-Lab	42.2406, -9.7854, 17.4898

Details

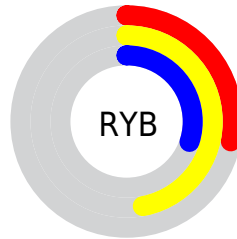
The XYZ color **15.1772, 17.8427, 8.6053** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.6856, 7.4239, 19.0654**, and the grayscale version is **15.9947, 16.8276, 18.3253**.

A 20% lighter version of the original color is **34.6959, 39.6782, 23.5993**, and **4.8728, 6.0286, 1.8265** is the 20% darker color. If you saturate the color by 10%, you get **14.6672, 17.6209, 6.7524**, and if you desaturate by 10%, it is **15.7675, 18.0982, 10.8665**.

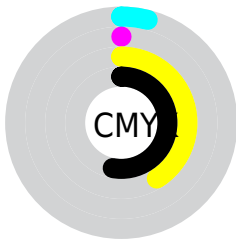
Distribution



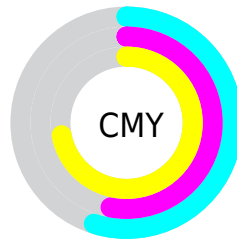
- Red (45%)
- Green (47%)
- Blue (28%)



- Red (28%)
- Yellow (47%)
- Blue (30%)



- Cyan (4%)
- Magenta (0%)
- Yellow (41%)
- Black (53%)



- Cyan (55%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1772, 17.8427, 8.6053 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 15.1772, 17.8427, 8.6053 by changing the saturation by 10% instead.

■ 15.1772, 17.8427,
8.6053

■ 15.1772, 17.8427,
8.6053

217.8034,
239.9829, 190.5139

■ 9.0310, 10.8371,
4.3914

■ 34.7329, 39.7691,
23.7023

■ 4.8187, 5.9574,
1.8424

■ 48.8730, 55.4587,
35.4224

■ 2.1749, 2.8192,
0.4557

■ 66.4085, 74.8118,
50.4816

■ 0.7295, 1.0381,
0.0000

■ 87.7046, 98.2127,
69.2986

■ 0.0000, 0.0000,
0.0000

■ 113.1269,
126.0459, 92.2917

143.0405,

158.6957, 119.8796

177.8109,
196.5466, 152.4808

■ 15.1772, 17.8427,
8.6053

■ 15.1772, 17.8427,
8.6053

■ 14.6672, 17.6209,
6.7524

■ 15.7675, 18.0982,
10.8665

■ 14.2316, 17.4284,
5.2822

■ 16.4411, 18.3866,
13.5571

■ 13.8657, 17.2641,
4.1684

■ 17.2024, 18.7103,
16.6983

■ 13.5638, 17.1255,
3.3804

■ 18.0550, 19.0708,
20.3093

■ 13.3191, 17.0101,
2.8829

■ 19.0023, 19.4694,
24.4084

■ 13.1317, 16.9202,
2.5738

■ 20.0478, 19.9075,
29.0128

■ 21.1945, 20.3864,
34.1390

■ 22.4453, 20.9072,
39.8026

■ 23.8032, 21.4710,
46.0187

Harmonies

Analogous

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



17.7906, 17.8427, 8.1543



15.1772, 17.8427, 8.6053



13.2488, 17.8427, 11.4957

Triad

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



15.1772, 17.8427, 8.6053



13.8985, 17.8427, 33.3620



22.6038, 17.8427, 21.8670

Complementary

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



15.1772, 17.8427, 8.6053



8.6856, 7.4239, 19.0654

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.



21.3042, 17.8427, 30.3611



15.1772, 17.8427, 8.6053



16.1536, 17.8427, 38.0610

Square

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



15.1772, 17.8427, 8.6053



12.5666, 17.8427, 25.2156



18.8750, 17.8427, 36.8372



22.2713, 17.8427, 14.6010

Rectangle

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



15.1772, 17.8427, 8.6053



12.5207, 17.8427, 14.9689



18.8750, 17.8427, 36.8372



22.3386, 17.8427, 24.6940

Sweetspot

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



15.1776, 17.8435, 8.6057



30.6629, 33.4437, 29.3143



11.6075, 9.6892, 7.2199



6.9797, 7.6336, 6.5717



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.



15.1776, 17.8435, 8.6057



26.2698, 31.5552, 12.1129



12.2897, 16.3547, 8.4705



4.2701, 4.6145, 4.2901



14.0665, 18.1288, 2.7578



66.6907, 86.2658, 13.1360

Inverse Universe

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



8.6856, 7.4239, 19.0654



12.9064, 10.0955, 33.6613



11.0718, 8.6541, 19.1771



3.8314, 3.9110, 4.9961



3.8572, 1.5612, 19.4833



18.0494, 7.2668, 92.9211

Previews

White Background



This preview shows how the XYZ color 15.1772, 17.8427, 8.6053 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 15.1772, 17.8427, 8.6053 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 15.1772, 17.8427, 8.6053

Background



This preview shows how black text looks on a background with the XYZ color 15.1772, 17.8427, 8.6053.



This preview shows how white text looks on a background with the XYZ color 15.1772, 17.8427,

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

15.1772, 17.8427, 8.6053

Protanopia

16.3689, 17.7540, 8.3585

Deuteranopia

17.9813, 17.7321, 8.7783



Tritanopia

17.7949, 17.8543, 21.5771

Trichromacy



Original Color

15.1772, 17.8427, 8.6053

Protanomaly

15.8961, 17.6841, 8.3699

Deuteranomaly

16.8162, 17.6349, 8.6485

Tritanomaly

16.6568, 17.7356, 15.9100

Monochromacy



Original Color

15.1772, 17.8427, 8.6053

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.6361, 17.2493, 14.0606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1772, 17.8427, 8.6053 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, 121, 71)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 71)  
}
```

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, 121, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 71) }
```

Border

The CSS property to change the border of an element to XYZ 15.1772, 17.8427, 8.6053 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, 121, 71) }
```


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

```
.border{ border-color:rgb(116, 121, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 71);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1772, 17.8427, 8.6053 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 71) }
```

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

```
.background{ background-color: rgb(116,  
121, 71) }
```

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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