

Converting Colors

XYZ(15.8213, 17.7309, 12.4861)

Have a look what the booklet for
XYZ(15.8213, 17.7309, 12.4861)
contains.

XYZ(15.8213, 17.7309, 12.4861)	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(15.8213, 17.7309,
12.4861)**

Conversions

Conversions Part 1

Format	Color
Hex	75775B
RGB	117, 119, 91
RGB Percent	46%, 47%, 36%
CMY	0.5412, 0.5333, 0.6431
CMYK	0.02, 0.00, 0.24, 0.53
HSL	64°, 13%, 41%
HSV	64°, 24%, 47%
XYZ	15.8213, 17.7309, 12.4861
YIQ	115.2100, 7.7960, -9.1320

Conversions

Conversions Part 2

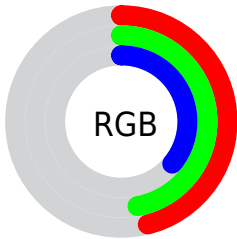
Format	Color
R_{YB}	91, 119, 93
Decimal	7698267
CIE _{Lab}	49.17, -5.85, 15.19
CIE _{LCh}	49, 16.280, 111.065
Yxy	17.7309, 0.3437, 0.3851
Android (android.graphics.Color)	4285888347 (0xFF75775B)
YUV	115.2100, -11.9355, 1.5698
Hunter-Lab	42.1081, -6.6212, 11.8947

Details

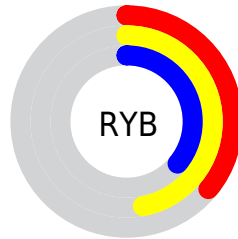
The XYZ color **15.8213, 17.7309, 12.4861** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.5858, 11.1417, 18.9937**, and the grayscale version is **16.3933, 17.2470, 18.7820**.

A 20% lighter version of the original color is **35.7328, 39.4839, 30.9371**, and **5.1108, 5.9249, 3.3569** is the 20% darker color. If you saturate the color by 10%, you get **15.2345, 17.4836, 9.9882**, and if you desaturate by 10%, it is **16.4915, 18.0129, 15.4137**.

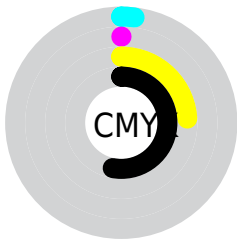
Distribution



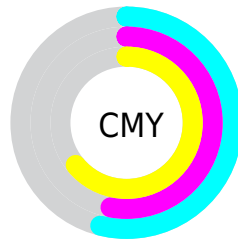
- Red (46%)
- Green (47%)
- Blue (36%)



- Red (36%)
- Yellow (47%)
- Blue (36%)



- Cyan (2%)
- Magenta (0%)
- Yellow (24%)
- Black (53%)



- Cyan (54%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8213, 17.7309, 12.4861 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 15.8213, 17.7309, 12.4861 by changing the saturation by 10% instead.

■ 15.8213, 17.7309,
12.4861

■ 15.8213, 17.7309,
12.4861

221.5761,
239.3499, 218.6883

■ 9.4878, 10.7570,
6.9491

■ 35.8477, 39.5782,
31.0549

■ 5.1204, 5.9037,
3.3523

■ 50.2712, 55.2204,
44.9238

■ 2.3535, 2.7866,
1.2772

■ 68.1223, 74.5209,
62.4071

■ 0.8219, 1.0214,
0.0430

■ 89.7661, 97.8639,
83.9233

■ 0.0000, 0.0000,
0.0000

115.5680,
125.6339, 109.8910

145.8934,

158.2153, 140.7287

181.1077,
195.9925, 176.8550

■ 15.8213, 17.7309,
12.4861

■ 15.8213, 17.7309,
12.4861

■ 15.2345, 17.4836,
9.9882

■ 16.4915, 18.0129,
15.4137

■ 14.7259, 17.2671,
7.8986

■ 17.2473, 18.3286,
18.7887

■ 14.2918, 17.0806,
6.1959

■ 18.0926, 18.6802,
22.6291

■ 13.9276, 16.9221,
4.8564

■ 19.0304, 19.0690,
26.9518

■ 13.6284, 16.7898,
3.8536

■ 20.0639, 19.4961,
31.7725

■ 13.3885, 16.6813,
3.1574

■ 21.1959, 19.9628,
37.1067

■ 13.2003, 16.5936,
2.7282

■ 22.4292, 20.4701,
42.9687

■ 13.0890, 16.5411,
2.5029

■ 23.7664, 21.0191,
49.3725

■ 25.2102, 21.6109,
56.3316

Harmonies

Analogous

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



17.3119, 17.7309, 12.1460



15.8213, 17.7309, 12.4861



14.6747, 17.7309, 14.4979

Triad

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



15.8213, 17.7309, 12.4861



15.0775, 17.7309, 26.5968



19.9162, 17.7309, 20.6388

Complementary

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



15.8213, 17.7309, 12.4861



11.5858, 11.1417, 18.9937

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.



19.2362, 17.7309, 25.0744



15.8213, 17.7309, 12.4861



16.4017, 17.7309, 28.8390

Square

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



15.8213, 17.7309, 12.4861



14.2636, 17.7309, 22.4820



17.9280, 17.7309, 28.2434



19.7376, 17.7309, 16.4441

Rectangle

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



15.8213, 17.7309, 12.4861



14.2303, 17.7309, 16.7089



17.9280, 17.7309, 28.2434



19.7790, 17.7309, 22.1590

Sweetspot

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



15.8218, 17.7317, 12.4865



30.3716, 32.6060, 31.3443



13.3993, 12.4831, 11.6011



7.1842, 7.7217, 7.3676



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.



15.8218, 17.7317, 12.4865



27.7680, 31.5134, 19.9472



14.0946, 16.8413, 12.4056



3.9421, 4.2536, 3.9555



13.9022, 17.5712, 2.6589



67.4422, 85.4695, 12.9427

Inverse Universe

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



11.5858, 11.1417, 18.9937



18.8413, 17.6249, 33.6620



13.1188, 11.9321, 19.0654



3.5227, 3.6012, 4.5997



3.6473, 1.4716, 18.6344



17.4867, 7.0232, 90.7943

Previews

White Background



This preview shows how the XYZ color 15.8213, 17.7309, 12.4861 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 15.8213, 17.7309, 12.4861 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

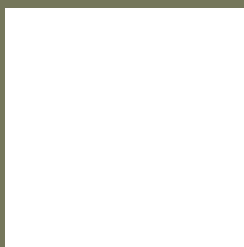
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8213, 17.7309, 12.4861

Background



This preview shows how black text looks on a background with the XYZ color 15.8213, 17.7309, 12.4861.



This preview shows how white text looks on a background with the XYZ color 15.8213, 17.7309,

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

15.8213, 17.7309, 12.4861

Protanopia

16.6642, 17.8207, 12.2343

Deuteranopia

17.8793, 17.5953, 12.5791



Tritanopia

17.6540, 17.7817, 21.5705

Trichromacy



Original Color

15.8213, 17.7309, 12.4861

Protanomaly

16.3499, 17.8326, 12.2532

Deuteranomaly

17.1158, 17.7013, 12.6398

Tritanomaly

16.9158, 17.6537, 17.8452

Monochromacy



Original Color

15.8213, 17.7309, 12.4861

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0494, 17.2444, 16.1183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8213, 17.7309, 12.4861 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, 119, 91)` looks like.

```
.text, #text, p{  
    color:rgb(117, 119, 91)  
}
```

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, 119, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 119, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.8213, 17.7309, 12.4861 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, 119, 91) }
```


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

```
.border{ border-color:rgb(117, 119, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 119, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 119, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 119, 91);  
box-shadow:4px 4px 4px 4px rgb(117, 119,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8213, 17.7309, 12.4861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 119, 91) }
```

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

```
.background{ background-color: rgb(117,  
119, 91) }
```

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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