

Converting Colors

XYZ(15.2832, 15.6899, 13.2896)

Have a look what the booklet for
XYZ(15.2832, 15.6899, 13.2896)
contains.

XYZ(15.3257, 15.7749, 13.3034)	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(15.3257, 15.7749,
13.3034)**

Conversions

Conversions Part 1

Format	Color
Hex	786D60
RGB	120, 109, 96
RGB Percent	47%, 43%, 38%
CMY	0.5294, 0.5725, 0.6235
CMYK	0.00, 0.09, 0.20, 0.53
HSL	33°, 11%, 42%
HSV	33°, 20%, 47%
XYZ	15.3257, 15.7749, 13.3034
YIQ	110.8070, 10.7290, -1.7110

Conversions

Conversions Part 2

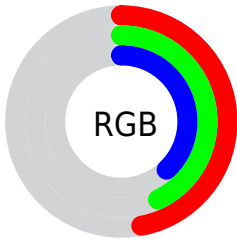
Format	Color
RYB	116, 120, 96
Decimal	7892320
CIELab	46.68, 1.98, 8.82
CIELCh	47, 9.042, 77.349
Yxy	15.7749, 0.3451, 0.3553
Android (android.graphics.Color)	4286082400 (0xFF786D60)
YUV	110.8070, -7.2999, 8.0623
Hunter-Lab	39.7176, -0.6287, 7.9432

Details

The XYZ color **15.3257, 15.7749, 13.3034** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.4716, 14.3579, 19.8307**, and the grayscale version is **15.0722, 15.8571, 17.2684**.

A 20% lighter version of the original color is **34.8505, 36.0189, 32.7193**, and **4.8969, 5.0151, 3.7275** is the 20% darker color. If you saturate the color by 10%, you get **14.2466, 14.4344, 10.4229**, and if you desaturate by 10%, it is **16.5267, 17.2240, 16.6411**.

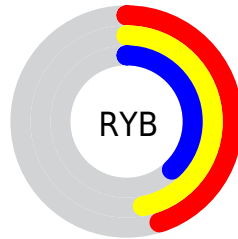
Distribution



Red (47%)

Green (43%)

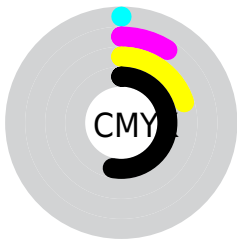
Blue (38%)



Red (45%)

Yellow (47%)

Blue (38%)

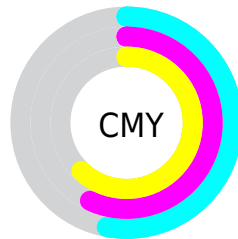


Cyan (0%)

Magenta (9%)

Yellow (20%)

Black (53%)



Cyan (53%)

Magenta (57%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3257, 15.7749, 13.3034 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 15.3257, 15.7749, 13.3034 by changing the saturation by 10% instead.

■ 15.3257, 15.7749,
13.3034

■ 15.3257, 15.7749,
13.3034

218.6787,
228.0098, 224.1288

■ 9.1361, 9.3650,
7.5046

■ 34.9905, 36.2070,
32.5469

■ 4.8879, 4.9800,
3.6964

■ 49.1965, 50.9980,
46.8288

■ 2.2157, 2.2355,
1.4603

■ 66.8052, 69.3514,
64.7754

■ 0.7510, 0.7393,
0.1881

■ 88.1821, 91.6517,
86.8053

■ 0.0000, 0.0000,
0.0000

113.6926,
118.2834, 113.3370

143.7020,

149.6306, 144.7892

178.5755,
186.0780, 181.5802

■ 15.3257, 15.7749,
13.3034

■ 15.3257, 15.7749,
13.3034

■ 14.2466, 14.4344,
10.4229

■ 16.5267, 17.2240,
16.6411

■ 13.2837, 13.1974,
7.9782

■ 17.8525, 18.7823,
20.4540

■ 12.4326, 12.0618,
5.9479

■ 19.3077, 20.4530,
24.7603

■ 11.6882, 11.0243,
4.3082

■ 20.8959, 22.2388,
29.5771

■ 11.0447, 10.0814,
3.0329

■ 22.6209, 24.1420,
34.9205

■ 10.4959, 9.2295,
2.0925

■ 24.4861, 26.1649,
40.8060

■ 10.0345, 8.4643,
1.4527

■ 26.4948, 28.3098,
47.2485

■ 9.6369, 7.7753,
0.9929

■ 28.6504, 30.5790,
54.2621

■ 9.6369, 7.7752,
0.9929

■ 30.9558, 32.9745,
61.8606

Harmonies

Analogous

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



16.0369, 15.7749, 14.1962



15.3257, 15.7749, 13.3034



14.5491, 15.7749, 13.3807

Triad

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



15.3257, 15.7749, 13.3034



13.6020, 15.7749, 18.4942



16.1283, 15.7749, 20.2661

Complementary

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



15.3257, 15.7749, 13.3034



13.4716, 14.3579, 19.8307

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.



15.4470, 15.7749, 21.6290



15.3257, 15.7749, 13.3034



13.9965, 15.7749, 20.5465

Square

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



15.3257, 15.7749, 13.3034



13.5721, 15.7749, 16.2491



14.6663, 15.7749, 21.7359



16.5110, 15.7749, 18.1379

Rectangle

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



15.3257, 15.7749, 13.3034



14.0987, 15.7749, 13.9716



14.6663, 15.7749, 21.7359



15.9256, 15.7749, 20.8367

Sweetspot

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



15.3261, 15.7756, 13.3037



29.9392, 31.3265, 31.7514



14.5931, 13.4247, 15.7874



7.0684, 7.3924, 7.4478



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.



15.3261, 15.7756, 13.3037



26.0586, 26.6408, 20.9763



16.4632, 18.2137, 13.7144



4.1614, 4.3412, 4.2431



10.4989, 8.4537, 1.0784



49.2213, 38.6061, 4.8575

Inverse Universe

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



13.4716, 14.3579, 19.8307



22.1729, 23.6705, 34.6533



12.4817, 12.2524, 19.4765



3.9349, 4.1680, 5.0403



5.1742, 4.4309, 19.9678



23.8505, 19.4736, 94.9715

Previews

White Background



This preview shows how the XYZ color 15.3257, 15.7749, 13.3034 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 15.3257, 15.7749, 13.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

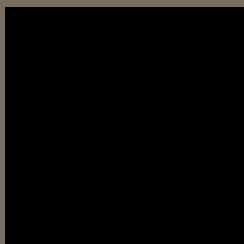
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3257, 15.7749, 13.3034

Background



This preview shows how black text looks on a background with the XYZ color 15.3257, 15.7749, 13.3034.

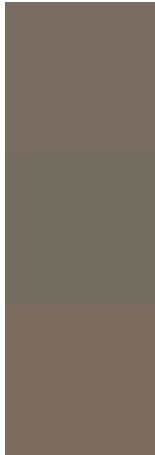


This preview shows how white text looks on a background with the XYZ color 15.3257, 15.7749,

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

15.3257, 15.7749, 13.3034

Protanopia

14.9361, 15.7279, 13.5578

Deuteranopia

15.9732, 15.7955, 13.2733



Tritanopia

16.2746, 15.6834, 18.3891

Trichromacy



Original Color

15.3257, 15.7749, 13.3034

Protanomaly

15.0697, 15.7968, 13.5641

Deuteranomaly

15.7861, 15.8547, 13.2946

Tritanomaly

15.8496, 15.6630, 16.3753

Monochromacy



Original Color

15.3257, 15.7749, 13.3034

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.1169, 15.7699, 15.8828

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3257, 15.7749, 13.3034 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(120, 109, 96)` looks like.

```
.text, #text, p{  
    color:rgb(120, 109, 96)  
}
```

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(120, 109, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 109, 96) }
```

Border

The CSS property to change the border of an element to XYZ 15.3257, 15.7749, 13.3034 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(120, 109, 96) }
```


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

```
.border{ border-color:rgb(120, 109, 96) }
```

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

Here you see how a box with a 4 pixel rgb(120, 109, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 109, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 109, 96);  
box-shadow:4px 4px 4px 4px rgb(120, 109,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3257, 15.7749, 13.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 109, 96) }
```

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

```
.background{ background-color: rgb(120,  
109, 96) }
```

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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