

Converting Colors

XYZ(15.1594, 16.3069, 13.3708)

Have a look what the booklet for
XYZ(15.1594, 16.3069, 13.3708)
contains.

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Color

**XYZ(15.2189, 16.3678,
13.4235)**

Conversions

Conversions Part 1

Format	Color
Hex	747160
RGB	116, 113, 96
RGB Percent	45%, 44%, 38%
CMY	0.5451, 0.5569, 0.6235
CMYK	0.00, 0.03, 0.17, 0.55
HSL	51°, 9%, 42%
HSV	51°, 17%, 45%
XYZ	15.2189, 16.3678, 13.4235
YIQ	111.9590, 7.2450, -4.6510

Conversions

Conversions Part 2

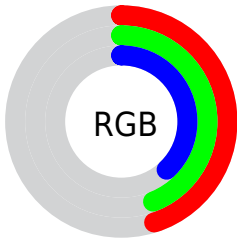
Format	Color
R_{YB}	100, 116, 96
Decimal	7631200
CIE Lab	47.45, -2.00, 9.86
CIE LCh	47, 10.062, 101.444
Yxy	16.3678, 0.3381, 0.3636
Android (android.graphics.Color)	4285821280 (0xFF747160)
YUV	111.9590, -7.8678, 3.5440
Hunter-Lab	40.4571, -3.6530, 8.6478

Details

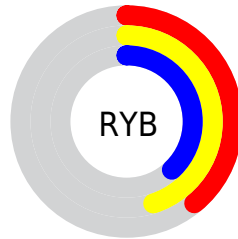
The XYZ color **15.2189, 16.3678, 13.4235** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4380, 12.6711, 18.3133**, and the grayscale version is **15.4103, 16.2128, 17.6558**.

A 20% lighter version of the original color is **34.8700, 37.3417, 32.9736**, and **4.8499, 5.2398, 3.7734** is the 20% darker color. If you saturate the color by 10%, you get **14.5319, 15.7862, 10.7512**, and if you desaturate by 10%, it is **15.9894, 16.9899, 16.5129**.

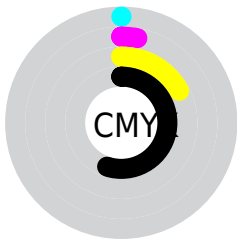
Distribution



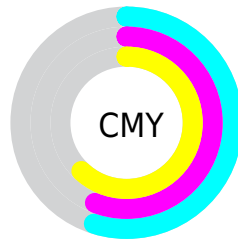
- Red (45%)
- Green (44%)
- Blue (38%)



- Red (39%)
- Yellow (45%)
- Blue (38%)



- Cyan (0%)
- Magenta (3%)
- Yellow (17%)
- Black (55%)



- Cyan (55%)
- Magenta (56%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2189, 16.3678, 13.4235 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 15.2189, 16.3678, 13.4235 by changing the saturation by 10% instead.

■ 15.2189, 16.3678,
13.4235

■ 15.2189, 16.3678,
13.4235

218.0496,
231.5024, 224.9166

■ 9.0605, 9.7848,
7.5867

■ 34.8053, 37.2356,
32.7648

■ 4.8381, 5.2565,
3.7477

■ 48.9639, 52.2891,
47.1064

■ 2.1863, 2.3985,
1.4880

■ 66.5200, 70.9349,
65.1200

■ 0.7355, 0.8251,
0.2089

■ 87.8389, 93.5574,
87.2241

■ 0.0000, 0.0000,
0.0000

113.2859,
120.5411, 113.8372

143.2265,

152.2701, 145.3780

178.0259,
189.1291, 182.2650

■ 15.2189, 16.3678,
13.4235

■ 15.2189, 16.3678,
13.4235

■ 14.5319, 15.7862,
10.7512

■ 15.9894, 16.9899,
16.5129

■ 13.9235, 15.2413,
8.4768

■ 16.8452, 17.6515,
20.0354

■ 13.3904, 14.7326,
6.5812

■ 17.7899, 18.3547,
24.0073

■ 12.9288, 14.2582,
5.0433

■ 18.8264, 19.1006,
28.4439

■ 12.5341, 13.8164,
3.8400

■ 19.9575, 19.8905,
33.3597

■ 12.2013, 13.4051,
2.9453

■ 21.1857, 20.7253,
38.7686

■ 11.9249, 13.0222,
2.3295

■ 22.5138, 21.6062,
44.6840

■ 11.6910, 12.6619,
1.9197

■ 23.9440, 22.5341,
51.1185

■ 11.6281, 12.5642,
1.8123

■ 25.4788, 23.5100,
58.0847

Harmonies

Analogous

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



16.1099, 16.3678, 13.5546



15.2189, 16.3678, 13.4235



14.4481, 16.3678, 14.3839

Triad

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



15.2189, 16.3678, 13.4235



14.3052, 16.3678, 21.2787



17.2423, 16.3678, 19.4329

Complementary

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



15.2189, 16.3678, 13.4235



12.4380, 12.6711, 18.3133

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.



16.7215, 16.3678, 21.7678



15.2189, 16.3678, 13.4235



15.0171, 16.3678, 22.9018

Square

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



15.2189, 16.3678, 13.4235



13.9342, 16.3678, 18.8154



15.9003, 16.3678, 23.0889



17.3014, 16.3678, 16.8638

Rectangle

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



15.2189, 16.3678, 13.4235



14.0972, 16.3678, 15.5730



15.9003, 16.3678, 23.0889



17.1145, 16.3678, 20.2772

Sweetspot

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



15.2193, 16.3685, 13.4238



28.4117, 30.1049, 30.2712



13.6376, 12.9798, 13.5912



6.7587, 7.1668, 7.1426



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.



15.2193, 16.3685, 13.4238



26.2168, 28.3253, 21.4929



14.6635, 16.5866, 13.4952



3.9222, 4.1773, 3.9419



13.0389, 14.0789, 2.0303



63.0446, 67.6177, 9.7287

Inverse Universe

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



12.4380, 12.6711, 18.3133



20.2857, 20.4411, 31.9209



12.9290, 12.5105, 18.2564



3.5409, 3.6704, 4.6121



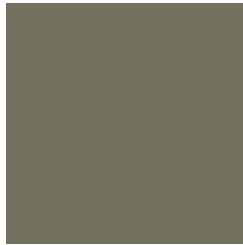
3.7596, 1.8589, 18.7032



17.9153, 8.2472, 91.0079

Previews

White Background



This preview shows how the XYZ color 15.2189, 16.3678, 13.4235 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 15.2189, 16.3678, 13.4235 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

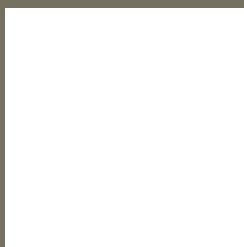
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.2189, 16.3678, 13.4235

Background



This preview shows how black text looks on a background with the XYZ color 15.2189, 16.3678, 13.4235.



This preview shows how white text looks on a background with the XYZ color 15.2189, 16.3678,

13.4235.

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

15.2189, 16.3678, 13.4235

Protanopia

15.3767, 16.2844, 13.3991

Deuteranopia

16.5735, 16.2553, 13.5733



Tritanopia

16.4537, 16.3818, 19.4343

Trichromacy



Original Color

15.2189, 16.3678, 13.4235

Protanomaly

15.2416, 16.2148, 13.3928

Deuteranomaly

16.0458, 16.3000, 13.6098

Tritanomaly

15.9701, 16.3462, 17.0653

Monochromacy



Original Color

15.2189, 16.3678, 13.4235

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.2057, 16.1397, 15.9495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2189, 16.3678, 13.4235 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, 113, 96)` looks like.

```
.text, #text, p{  
    color:rgb(116, 113, 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(116, 113, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 113, 96) }
```

Border

The CSS property to change the border of an element to XYZ 15.2189, 16.3678, 13.4235 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, 113, 96) }
```


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

```
.border{ border-color:rgb(116, 113, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 113, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 113, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 113, 96);  
box-shadow:4px 4px 4px 4px rgb(116, 113,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2189, 16.3678, 13.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 113, 96) }
```

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

```
.background{ background-color: rgb(116,  
113, 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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