

Converting Colors

XYZ(15.0915, 15.8230, 16.6807)

Have a look what the booklet for
XYZ(15.0915, 15.8230, 16.6807)
contains.

XYZ(15.1268, 15.9178, 16.7432)	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(15.1268, 15.9178,
16.7432)**

Conversions

Conversions Part 1

Format	Color
Hex	706F6D
RGB	112, 111, 109
RGB Percent	44%, 44%, 43%
CMY	0.5608, 0.5647, 0.5725
CMYK	0.00, 0.01, 0.03, 0.56
HSL	40°, 1%, 43%
HSV	40°, 3%, 44%
XYZ	15.1268, 15.9178, 16.7432
YIQ	111.0710, 1.2380, -0.4100

Conversions

Conversions Part 2

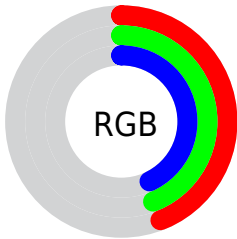
Format	Color
R_{YB}	111, 112, 109
Decimal	7368557
CIE Lab	46.87, -0.02, 1.24
CIE LCh	47, 1.241, 90.714
Yxy	15.9178, 0.3165, 0.3331
Android (android.graphics.Color)	4285558637 (0xFF706F6D)
YUV	111.0710, -1.0210, 0.8147
Hunter-Lab	39.8971, -2.1425, 3.0464

Details

The XYZ color **15.1268, 15.9178, 16.7432** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8071, 15.5724, 17.5546**, and the grayscale version is **15.1330, 15.9211, 17.3381**.

A 20% lighter version of the original color is **34.7522, 36.6250, 38.4954**, and **4.7614, 4.9928, 5.2702** is the 20% darker color. If you saturate the color by 10%, you get **14.1644, 14.8970, 13.6349**, and if you desaturate by 10%, it is **16.1839, 17.0046, 20.2625**.

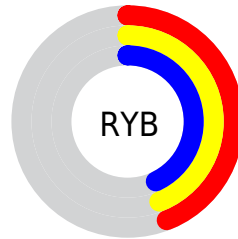
Distribution



Red (44%)

Green (44%)

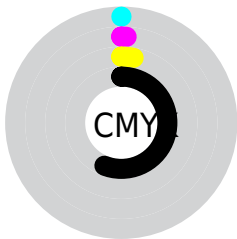
Blue (43%)



Red (44%)

Yellow (44%)

Blue (43%)

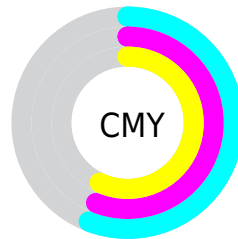


Cyan (0%)

Magenta (1%)

Yellow (3%)

Black (56%)



Cyan (56%)

Magenta (56%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1268, 15.9178, 16.7432 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 15.1268, 15.9178, 16.7432 by changing the saturation by 10% instead.

■ 15.1268, 15.9178,
16.7432

■ 15.1268, 15.9178,
16.7432

217.5056,
228.8562, 245.6818

■ 8.9953, 9.4660,
9.8916

■ 34.6453, 36.4554,
38.6683

■ 4.7952, 5.0464,
5.2224

■ 48.7630, 51.3101,
54.5788

■ 2.1611, 2.2745,
2.3174

■ 66.2736, 69.7345,
74.3461

■ 0.7221, 0.7602,
0.7409

■ 87.5423, 92.1130,
98.3886

■ 0.0000, 0.0000,
0.0000

112.9344,
118.8300, 127.1248

142.8155,

150.2699, 160.9734

177.5508,
186.8172, 200.3529

■ 15.1268, 15.9178,
16.7432

■ 15.1268, 15.9178,
16.7432

■ 14.1644, 14.8970,
13.6349

■ 16.1839, 17.0046,
20.2625

■ 13.2922, 13.9385,
10.9214

■ 17.3372, 18.1567,
24.2063

■ 12.5075, 13.0415,
8.5868

■ 18.5901, 19.3764,
28.5886

■ 11.8067, 12.2041,
6.6139

■ 19.9451, 20.6650,
33.4225

■ 11.1861, 11.4245,
4.9839

■ 21.4049, 22.0238,
38.7206

■ 10.6416, 10.7008,
3.6764

■ 22.9718, 23.4541,
44.4949

■ 10.1688, 10.0308,
2.6691

■ 24.6484, 24.9571,
50.7571

■ 9.7625, 9.4120,
1.9364

■ 26.4368, 26.5341,
57.5184

■ 9.4165, 8.8416,
1.4458

■ 28.3393, 28.1863,
64.7896

Harmonies

Analogous

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



15.2313, 15.9178, 16.8176



15.1268, 15.9178, 16.7432



15.0235, 15.9178, 16.8249

Triad

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



15.1268, 15.9178, 16.7432



14.9514, 15.9178, 17.6377



15.3114, 15.9178, 17.6247

Complementary

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



15.1268, 15.9178, 16.7432



14.8071, 15.5724, 17.5546

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.



15.2358, 15.9178, 17.8487



15.1268, 15.9178, 16.7432



15.0279, 15.9178, 17.8563

Square

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



15.1268, 15.9178, 16.7432



14.9225, 15.9178, 17.3392



15.1320, 15.9178, 17.9340



15.3382, 15.9178, 17.3244

Rectangle

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



15.1268, 15.9178, 16.7432



14.9690, 15.9178, 16.9575



15.1320, 15.9178, 17.9340



15.2909, 15.9178, 17.7115

Sweetspot

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



15.1272, 15.9185, 16.7435



26.8700, 28.2722, 30.3850



14.9653, 15.5080, 16.9566



6.4589, 6.7959, 7.3113



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



15.1272, 15.9185, 16.7435



26.5040, 27.8909, 29.1818



15.1732, 16.1045, 16.7770



3.6820, 3.8748, 4.0262



10.5953, 9.7230, 1.3183



51.9641, 46.8035, 6.2952

Inverse Universe

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



14.8071, 15.5724, 17.5546



25.8590, 27.1937, 30.8158



14.7618, 15.3904, 17.5218



3.5772, 3.7615, 4.2917



4.1340, 2.8584, 18.0554



19.8747, 12.8013, 89.7025

Previews

White Background



This preview shows how the XYZ color 15.1268, 15.9178, 16.7432 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 15.1268, 15.9178, 16.7432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

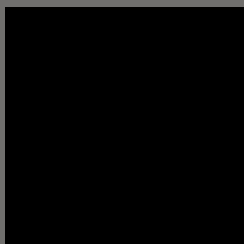
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

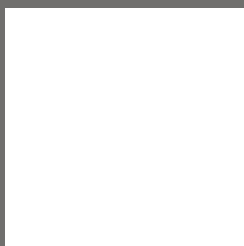
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.1268, 15.9178, 16.7432

Background



This preview shows how black text looks on a background with the XYZ color 15.1268, 15.9178, 16.7432.



This preview shows how white text looks on a background with the XYZ color 15.1268, 15.9178,

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

15.1268, 15.9178, 16.7432

Protanopia

15.3842, 16.0504, 16.7552

Deuteranopia

16.0982, 15.7788, 16.9490



Tritanopia

15.6560, 15.9706, 19.3970

Trichromacy



Original Color

15.1268, 15.9178, 16.7432

Protanomaly

15.2548, 15.9837, 16.7491

Deuteranomaly

15.6482, 15.7025, 16.9580

Tritanomaly

15.4805, 15.9004, 18.4728

Monochromacy



Original Color

15.1268, 15.9178, 16.7432

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.0545, 15.8742, 17.0224

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1268, 15.9178, 16.7432 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(112, 111, 109)` looks like.

```
.text, #text, p{  
    color:rgb(112, 111, 109)  
}
```

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(112, 111, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 111, 109) }
```

Border

The CSS property to change the border of an element to XYZ 15.1268, 15.9178, 16.7432 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(112, 111, 109) }
```


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

```
.border{ border-color:rgb(112, 111, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 111, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 111, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 111, 109);  
box-shadow:4px 4px 4px 4px rgb(112, 111,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1268, 15.9178, 16.7432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 111, 109) }
```

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

```
.background{ background-color: rgb(112,  
111, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor