

Converting Colors

XYZ(15.5566, 16.1911, 12.1579)

Have a look what the booklet for
XYZ(15.5566, 16.1911, 12.1579)
contains.

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Color

**XYZ(15.5988, 16.2618,
12.2142)**

Conversions

Conversions Part 1

Format	Color
Hex	7A6F5B
RGB	122, 111, 91
RGB Percent	48%, 44%, 36%
CMY	0.5216, 0.5647, 0.6431
CMYK	0.00, 0.09, 0.25, 0.52
HSL	39°, 15%, 42%
HSV	39°, 25%, 48%
XYZ	15.5988, 16.2618, 12.2142
YIQ	112.0090, 12.9760, -3.8880

Conversions

Conversions Part 2

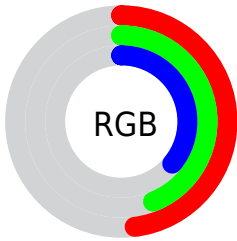
Format	Color
R_{YB}	108, 122, 91
Decimal	8023899
CIE _{Lab}	47.32, 0.84, 12.71
CIE _{LCh}	47, 12.737, 86.237
Yxy	16.2618, 0.3539, 0.3690
Android (android.graphics.Color)	4286213979 (0xFF7A6F5B)
YUV	112.0090, -10.3574, 8.7621
Hunter-Lab	40.3259, -1.5233, 10.2700

Details

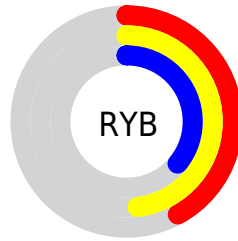
The XYZ color **15.5988, 16.2618, 12.2142** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.5785, 13.1316, 20.2841**, and the grayscale version is **15.4309, 16.2345, 17.6793**.

A 20% lighter version of the original color is **35.5841, 37.2314, 30.5102**, and **4.9988, 5.1609, 3.2153** is the 20% darker color. If you saturate the color by 10%, you get **14.6540, 15.1470, 9.5105**, and if you desaturate by 10%, it is **16.6529, 17.4580, 15.3769**.

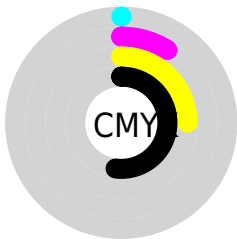
Distribution



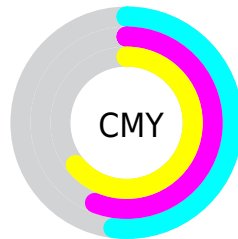
- Red (48%)
- Green (44%)
- Blue (36%)



- Red (42%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (9%)
- Yellow (25%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5988, 16.2618, 12.2142 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 15.5988, 16.2618, 12.2142 by changing the saturation by 10% instead.

■ 15.5988, 16.2618,
12.2142

■ 15.5988, 16.2618,
12.2142

220.2798,
230.8816, 216.8462

■ 9.3297, 9.7096,
6.7654

■ 35.4634, 37.0521,
30.5548

■ 5.0157, 5.2068,
3.2396

■ 49.7896, 52.0590,
44.2838

■ 2.2913, 2.3691,
1.2183

■ 67.5323, 70.6529,
61.6099

■ 0.7902, 0.8099,
0.0000

■ 89.0568, 93.2183,
82.9516

■ 0.0000, 0.0000,
0.0000

114.7284,
120.1394, 108.7276

144.9126,

151.8007, 139.3563

179.9746,
188.5867, 175.2564

■ 15.5988, 16.2618,
12.2142

■ 15.5988, 16.2618,
12.2142

■ 14.6540, 15.1470,
9.5105

■ 16.6529, 17.4580,
15.3769

■ 13.8128, 14.1093,
7.2430

■ 17.8192, 18.7357,
19.0181

■ 13.0709, 13.1468,
5.3883

■ 19.1021, 20.0976,
23.1571

■ 12.4229, 12.2569,
3.9204

■ 20.5053, 21.5458,
27.8121

■ 11.8631, 11.4368,
2.8106

■ 22.0323, 23.0820,
33.0002

■ 11.3850, 10.6833,
2.0258

■ 23.6866, 24.7082,
38.7379

■ 10.9775, 9.9914,
1.5108

■ 25.4712, 26.4260,
45.0409

■ 10.8020, 9.6894,
1.3009

■ 27.3895, 28.2372,
51.9241

■ 29.4443, 30.1434,
59.4021

Harmonies

Analogous

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



16.6905, 16.2618, 13.0376



15.5988, 16.2618, 12.2142



14.5193, 16.2618, 12.7088

Triad

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



15.5988, 16.2618, 12.2142



13.5954, 16.2618, 20.5899



17.3261, 16.2618, 21.3788

Complementary

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



15.5988, 16.2618, 12.2142



12.5785, 13.1316, 20.2841

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.



16.4329, 16.2618, 23.8674



15.5988, 16.2618, 12.2142



14.2846, 16.2618, 23.3745

Square

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



15.5988, 16.2618, 12.2142



13.3960, 16.2618, 17.3027



15.3148, 16.2618, 24.6384



17.7178, 16.2618, 18.1162

Rectangle

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



15.5988, 16.2618, 12.2142



13.9456, 16.2618, 13.7563



15.3148, 16.2618, 24.6384



17.0725, 16.2618, 22.3482

Sweetspot

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



15.5992, 16.2625, 12.2145



30.7579, 32.3213, 31.5887



14.1838, 12.5865, 14.3480



6.9720, 7.3240, 7.0319



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.



15.5992, 16.2625, 12.2145



26.5367, 27.5505, 18.8630



16.3011, 18.5167, 12.6126



4.1938, 4.4060, 4.2539



11.3648, 10.1854, 1.3670



53.3866, 46.9366, 6.2459

Inverse Universe

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



12.5785, 13.1316, 20.2841



20.3478, 21.1373, 35.4004



11.9873, 11.3275, 19.9670



3.9032, 4.1047, 5.0297



4.6113, 3.3051, 19.7802



21.2609, 14.2944, 94.1083

Previews

White Background



This preview shows how the XYZ color 15.5988, 16.2618, 12.2142 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 15.5988, 16.2618, 12.2142 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

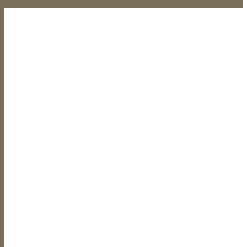
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.5988, 16.2618, 12.2142

Background



This preview shows how black text looks on a background with the XYZ color 15.5988, 16.2618, 12.2142.



This preview shows how white text looks on a background with the XYZ color 15.5988, 16.2618,

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

15.5988, 16.2618, 12.2142

Protanopia

15.2902, 16.2656, 12.2312

Deuteranopia

16.5003, 16.2437, 12.3909



Tritanopia

16.9724, 16.3461, 18.7836

Trichromacy



Original Color

15.5988, 16.2618, 12.2142

Protanomaly

15.4282, 16.3367, 12.2377

Deuteranomaly

16.1528, 16.2220, 12.4050

Tritanomaly

16.4347, 16.2839, 16.1868

Monochromacy



Original Color

15.5988, 16.2618, 12.2142

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.4953, 16.3008, 15.4264

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5988, 16.2618, 12.2142 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(122, 111, 91)` looks like.

```
.text, #text, p{  
    color:rgb(122, 111, 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(122, 111, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 111, 91) }
```

Border

The CSS property to change the border of an element to XYZ 15.5988, 16.2618, 12.2142 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(122, 111, 91) }
```


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

```
.border{ border-color:rgb(122, 111, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 111, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 111, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 111, 91);  
box-shadow:4px 4px 4px 4px rgb(122, 111,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5988, 16.2618, 12.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 111, 91) }
```

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

```
.background{ background-color: rgb(122,  
111, 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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