

Converting Colors

XYZ(12.3443, 14.9365, 13.3667)

Have a look what the booklet for
XYZ(12.3443, 14.9365, 13.3667)
contains.

XYZ(12.3308, 14.8789, 13.2883)	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(12.3308, 14.8789,
13.2883)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7160
RGB	91, 113, 96
RGB Percent	36%, 44%, 38%
CMY	0.6431, 0.5569, 0.6235
CMYK	0.19, 0.00, 0.15, 0.56
HSL	134°, 11%, 40%
HSV	134°, 19%, 44%
XYZ	12.3308, 14.8789, 13.2883
YIQ	104.4840, -7.6550, -9.9510

Conversions

Conversions Part 2

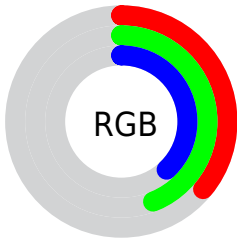
Format	Color
R_{YB}	91, 109, 113
Decimal	5992800
CIE Lab	45.47, -11.83, 6.77
CIE LCh	45, 13.633, 150.205
Yxy	14.8789, 0.3045, 0.3674
Android (android.graphics.Color)	4284182880 (0xFF5B7160)
YUV	104.4840, -4.1826, -11.8255
Hunter-Lab	38.5732, -10.4414, 6.5761

Details

The XYZ color **12.3308, 14.8789, 13.2883** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.2584, 12.0759, 15.8201**, and the grayscale version is **13.3006, 13.9933, 15.2387**.

A 20% lighter version of the original color is **29.7061, 34.6796, 32.7319**, and **3.5482, 4.5688, 3.7125** is the 20% darker color. If you saturate the color by 10%, you get **10.9197, 14.1958, 11.2390**, and if you desaturate by 10%, it is **13.9552, 15.6676, 15.5814**.

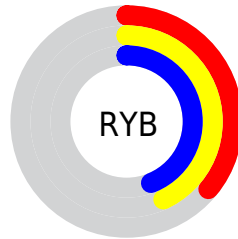
Distribution



Red (36%)

Green (44%)

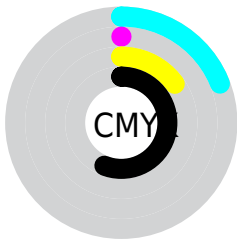
Blue (38%)



Red (36%)

Yellow (43%)

Blue (44%)

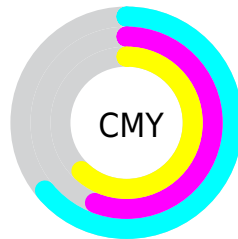


Cyan (19%)

Magenta (0%)

Yellow (15%)

Black (56%)



Cyan (64%)

Magenta (56%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3308, 14.8789, 13.2883 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 12.3308, 14.8789, 13.2883 by changing the saturation by 10% instead.

■ 12.3308, 14.8789,
13.2883

■ 12.3308, 14.8789,
13.2883

200.3086,
222.6321, 224.0295

■ 7.0432, 8.7344,
7.4943

■ 29.7078, 34.6406,
32.5195

■ 3.5357, 4.5684,
3.6900

■ 42.5280, 49.0266,
46.7938

■ 1.4430, 1.9963,
1.4569

■ 58.5896, 66.9286,
64.7320

■ 0.2865, 0.6053,
0.1855

■ 78.2582, 88.7310,
86.7525

■ 0.0000, 0.0000,
0.0000

101.8990,
114.8181, 113.2740

129.8775,

145.5744, 144.7150

162.5589,
181.3843, 181.4940

■ 12.3308, 14.8789,
13.2883

■ 12.3308, 14.8789,
13.2883

■ 10.9197, 14.1958,
11.2390

■ 13.9552, 15.6676,
15.5814

■ 9.7118, 13.6120,
9.4245

■ 15.8000, 16.5643,
18.1249

■ 8.6978, 13.1233,
7.8367

■ 17.8735, 17.5734,
20.9265

■ 7.8674, 12.7247,
6.4665

■ 20.1835, 18.6987,
23.9931

■ 7.2092, 12.4104,
5.3046

■ 22.7369, 19.9438,
27.3315

■ 6.7106, 12.1742,
4.3406

■ 25.5408, 21.3121,
30.9481

■ 6.3571, 12.0089,
3.5633

■ 28.6017, 22.8069,
34.8493

■ 6.1010, 11.8899,
2.9591

■ 31.9259, 24.4313,
39.0412

■ 6.0883, 11.8840,
2.9316

■ 35.5197, 26.1883,
43.5295

Harmonies

Analogous

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



13.0718, 14.8789, 11.3758



12.3308, 14.8789, 13.2883



12.0693, 14.8789, 16.2230

Triad

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



12.3308, 14.8789, 13.2883



14.1498, 14.8789, 23.2914



16.1138, 14.8789, 13.2543

Complementary

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



12.3308, 14.8789, 13.2883



13.2584, 12.0759, 15.8201

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.



16.4393, 14.8789, 16.1782



12.3308, 14.8789, 13.2883



15.2689, 14.8789, 22.2268

Square

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



12.3308, 14.8789, 13.2883



13.0847, 14.8789, 22.2545



16.1223, 14.8789, 19.5100



15.2547, 14.8789, 11.3581

Rectangle

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



12.3308, 14.8789, 13.2883



12.1906, 14.8789, 18.4573



16.1223, 14.8789, 19.5100



16.2912, 14.8789, 14.1357

Sweetspot

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



12.3312, 14.8795, 13.2886



26.0369, 28.5640, 29.3571



14.0068, 15.7691, 12.2032



5.9876, 6.5894, 6.7424



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.



12.3312, 14.8795, 13.2886



20.9874, 26.1136, 22.2214



12.8615, 15.0917, 16.0813



3.3733, 3.7745, 3.7719



6.8990, 13.4771, 3.2891



34.0869, 67.0234, 14.9090

Inverse Universe

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



13.2584, 12.0759, 15.8201



22.9449, 20.1933, 27.5648



12.7201, 11.8606, 12.9856



3.4835, 3.4411, 4.0731



9.6836, 4.7658, 10.6758



47.9004, 23.6055, 51.4011

Previews

White Background



This preview shows how the XYZ color 12.3308, 14.8789, 13.2883 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 12.3308, 14.8789, 13.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

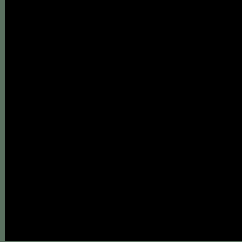
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3308, 14.8789, 13.2883

Background



This preview shows how black text looks on a background with the XYZ color 12.3308, 14.8789, 13.2883.



This preview shows how white text looks on a background with the XYZ color 12.3308, 14.8789,

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

12.3308, 14.8789, 13.2883

Protanopia

14.0435, 14.8164, 12.4756

Deuteranopia

15.0401, 14.8474, 13.6284



Tritanopia

13.6250, 14.9167, 19.6139

Trichromacy



Original Color

12.3308, 14.8789, 13.2883

Protanomaly

13.3147, 14.7487, 12.7347

Deuteranomaly

13.8458, 14.6935, 13.4156

Tritanomaly

13.1698, 14.8963, 17.2201

Monochromacy



Original Color

12.3308, 14.8789, 13.2883

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.7522, 14.1076, 14.3628

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3308, 14.8789, 13.2883 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(91, 113, 96) looks like.

```
.text, #text, p{  
    color:rgb(91, 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(91, 113, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 113, 96) }
```

Border

The CSS property to change the border of an element to XYZ 12.3308, 14.8789, 13.2883 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(91, 113, 96) }
```


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

```
.border{ border-color:rgb(91, 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(91, 113, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 113, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 113, 96);  
box-shadow:4px 4px 4px 4px rgb(91, 113,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3308, 14.8789, 13.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 113, 96) }
```

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

```
.background{ background-color: rgb(91, 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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