

Converting Colors

XYZ(13.1198, 15.6816, 8.7155)

Have a look what the booklet for
XYZ(13.1198, 15.6816, 8.7155)
contains.

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Color

**XYZ(13.1590, 15.7458,
8.6490)**

Conversions

Conversions Part 1

Format	Color
Hex	697349
RGB	105, 115, 73
RGB Percent	41%, 45%, 29%
CMY	0.5882, 0.5490, 0.7137
CMYK	0.09, 0.00, 0.37, 0.55
HSL	74°, 22%, 37%
HSV	74°, 37%, 45%
XYZ	13.1590, 15.7458, 8.6490
YIQ	107.2220, 7.5220, -15.1820

Conversions

Conversions Part 2

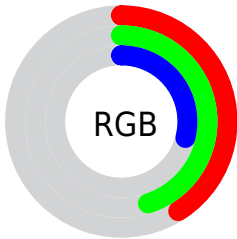
Format	Color
RYB	73, 115, 83
Decimal	6910793
CIELab	46.64, -11.34, 22.02
CIELCh	47, 24.771, 117.233
Yxy	15.7458, 0.3504, 0.4193
Android (android.graphics.Color)	4285100873 (0xFF697349)
YUV	107.2220, -16.8714, -1.9487
Hunter-Lab	39.6810, -10.2476, 14.8536

Details

The XYZ color **13.1590, 15.7458, 8.6490** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.0450, 7.8423, 17.2576**, and the grayscale version is **14.0810, 14.8143, 16.1328**.

A 20% lighter version of the original color is **31.2362, 36.2107, 23.7554**, and **3.9041, 4.9680, 1.8518** is the 20% darker color. If you saturate the color by 10%, you get **12.4960, 15.4446, 6.8084**, and if you desaturate by 10%, it is **13.9037, 16.0820, 10.8622**.

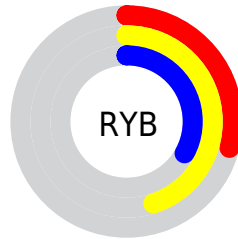
Distribution



Red (41%)

Green (45%)

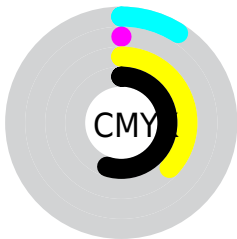
Blue (29%)



Red (29%)

Yellow (45%)

Blue (33%)

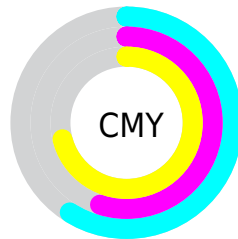


Cyan (9%)

Magenta (0%)

Yellow (37%)

Black (55%)



Cyan (59%)

Magenta (55%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1590, 15.7458, 8.6490 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 13.1590, 15.7458, 8.6490 by changing the saturation by 10% instead.

■ 13.1590, 15.7458,
8.6490

■ 13.1590, 15.7458,
8.6490

205.5512,
227.8370, 190.8581

■ 7.6159, 9.3445,
4.4193

■ 31.1880, 36.1563,
23.7881

■ 3.8999, 4.9665,
1.8581

■ 44.4046, 50.9343,
35.5345

■ 1.6457, 2.2276,
0.4659

■ 60.9098, 69.2733,
50.6237

■ 0.4219, 0.7350,
0.0000

■ 81.0689, 91.5577,
69.4740

■ 0.0000, 0.0000,
0.0000

■ 105.2472,
118.1718, 92.5040

133.8101,

149.5002, 120.1324

167.1230,
185.9271, 152.7775

■ 13.1590, 15.7458,
8.6490

■ 13.1590, 15.7458,
8.6490

■ 12.4960, 15.4446,
6.8084

■ 13.9037, 16.0820,
10.8622

■ 11.9096, 15.1746,
5.3190

■ 14.7325, 16.4525,
13.4659

■ 11.3957, 14.9349,
4.1584

■ 15.6494, 16.8595,
16.4782

■ 10.9495, 14.7233,
3.3017

■ 16.6576, 17.3042,
19.9156

■ 10.5654, 14.5378,
2.7200

■ 17.7601, 17.7878,
23.7938

■ 10.2313, 14.3734,
2.3499

■ 18.9599, 18.3117,
28.1276

■ 10.1191, 14.3181,
2.2303

■ 20.2597, 18.8768,
32.9312

■ 21.6623, 19.4842,
38.2182

■ 23.1700, 20.1351,
44.0015

Harmonies

Analogous

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



15.1657, 15.7458, 7.8547



13.1590, 15.7458, 8.6490



11.7626, 15.7458, 11.5195

Triad

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



13.1590, 15.7458, 8.6490



12.8454, 15.7458, 29.1004



19.4688, 15.7458, 17.7204

Complementary

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



13.1590, 15.7458, 8.6490



9.0450, 7.8423, 17.2576

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.



18.7037, 15.7458, 24.3547



13.1590, 15.7458, 8.6490



14.7679, 15.7458, 31.8332

Square

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



13.1590, 15.7458, 8.6490



11.5940, 15.7458, 23.1292



16.9311, 15.7458, 29.9183



18.9353, 15.7458, 12.2929

Rectangle

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



13.1590, 15.7458, 8.6490



11.2974, 15.7458, 14.6674



16.9311, 15.7458, 29.9183



19.3534, 15.7458, 19.8859

Sweetspot

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



13.1594, 15.7465, 8.6493



27.2191, 29.8327, 26.8416



11.3514, 10.2823, 7.6899



6.4530, 7.0990, 6.2706



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.



13.1594, 15.7465, 8.6493



22.5293, 27.7253, 12.6035



11.0080, 14.6374, 8.5487



3.8855, 4.2245, 3.9529



11.5481, 16.3576, 2.5487



55.4851, 79.3054, 12.3831

Inverse Universe

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



9.0450, 7.8423, 17.2576



13.9888, 11.3067, 30.4896



11.1634, 8.9344, 17.3568



3.5748, 3.6281, 4.6021



4.0487, 1.6785, 18.6532



19.0742, 7.8416, 90.8685

Previews

White Background



This preview shows how the XYZ color 13.1590, 15.7458, 8.6490 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 13.1590, 15.7458, 8.6490 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 13.1590, 15.7458, 8.6490

Background



This preview shows how black text looks on a background with the XYZ color 13.1590, 15.7458, 8.6490.



This preview shows how white text looks on a background with the XYZ color 13.1590, 15.7458,

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

13.1590, 15.7458, 8.6490

Protanopia

14.4590, 15.5999, 8.2102

Deuteranopia

15.9398, 15.7216, 8.8511



Tritanopia

15.2942, 15.6248, 19.3493

Trichromacy



Original Color

13.1590, 15.7458, 8.6490

Protanomaly

14.0341, 15.7011, 8.4218

Deuteranomaly

14.7307, 15.5693, 8.7073

Tritanomaly

14.3894, 15.5794, 14.8191

Monochromacy



Original Color

13.1590, 15.7458, 8.6490

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.5853, 15.0423, 13.0139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1590, 15.7458, 8.6490 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(105, 115, 73)` looks like.

```
.text, #text, p{  
    color:rgb(105, 115, 73)  
}
```

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(105, 115, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 115, 73) }
```

Border

The CSS property to change the border of an element to XYZ 13.1590, 15.7458, 8.6490 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(105, 115, 73) }
```


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

```
.border{ border-color:rgb(105, 115, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 115, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 115, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 115, 73);  
box-shadow:4px 4px 4px 4px rgb(105, 115,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1590, 15.7458, 8.6490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 115, 73) }
```

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

```
.background{ background-color: rgb(105,  
115, 73) }
```

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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