

Converting Colors

XYZ(13.0756, 15.6471, 9.2601)

Have a look what the booklet for
XYZ(13.0756, 15.6471, 9.2601)
contains.

XYZ(13.1792, 15.7403, 9.3648)	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(13.1792, 15.7403,
9.3648)**

Conversions

Conversions Part 1

Format	Color
Hex	68734D
RGB	104, 115, 77
RGB Percent	41%, 45%, 30%
CMY	0.5922, 0.5490, 0.6980
CMYK	0.10, 0.00, 0.33, 0.55
HSL	77°, 20%, 38%
HSV	77°, 33%, 45%
XYZ	13.1792, 15.7403, 9.3648
YIQ	107.3790, 5.6420, -14.1500

Conversions

Conversions Part 2

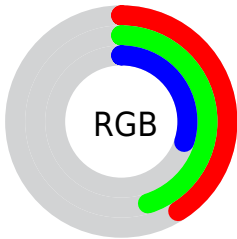
Format	Color
RYB	77, 115, 88
Decimal	6845261
CIELab	46.63, -11.17, 19.70
CIELCh	47, 22.650, 119.553
Yxy	15.7403, 0.3442, 0.4111
Android (android.graphics.Color)	4285035341 (0xFF68734D)
YUV	107.3790, -14.9768, -2.9634
Hunter-Lab	39.6740, -10.1342, 13.7768

Details

The XYZ color **13.1792, 15.7403, 9.3648** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **9.7735, 8.6207, 17.3693**, and the grayscale version is **14.1200, 14.8553, 16.1775**.

A 20% lighter version of the original color is **31.2949, 36.2117, 25.0788**, and **3.8988, 4.9593, 2.1183** is the 20% darker color. If you saturate the color by 10%, you get **12.4298, 15.3973, 7.3944**, and if you desaturate by 10%, it is **14.0165, 16.1213, 11.7148**.

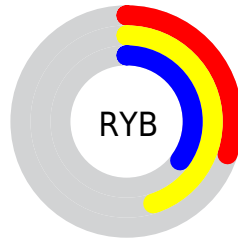
Distribution



Red (41%)

Green (45%)

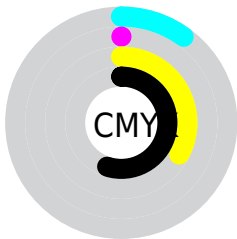
Blue (30%)



Red (30%)

Yellow (45%)

Blue (35%)

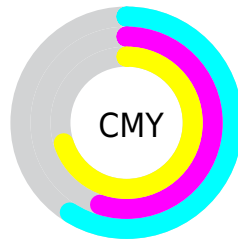


Cyan (10%)

Magenta (0%)

Yellow (33%)

Black (55%)



Cyan (59%)

Magenta (55%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1792, 15.7403, 9.3648 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 13.1792, 15.7403, 9.3648 by changing the saturation by 10% instead.

■ 13.1792, 15.7403,
9.3648

■ 13.1792, 15.7403,
9.3648

205.6774,
227.8044, 196.3936

■ 7.6299, 9.3406,
4.8798

■ 31.2239, 36.1468,
25.1826

■ 3.9089, 4.9640,
2.1194

■ 44.4501, 50.9223,
37.3524

■ 1.6507, 2.2261,
0.6273

■ 60.9659, 69.2585,
52.9210

■ 0.4251, 0.7342,
0.0000

■ 81.1367, 91.5399,
72.3069

■ 0.0000, 0.0000,
0.0000

■ 105.3280,
118.1508, 95.9285

133.9049,

149.4755, 124.2045

167.2329,
185.8986, 157.5533

■ 13.1792, 15.7403,
9.3648

■ 13.1792, 15.7403,
9.3648

■ 12.4298, 15.3973,
7.3944

■ 14.0165, 16.1213,
11.7148

■ 11.7631, 15.0886,
5.7826

■ 14.9442, 16.5397,
14.4619

■ 11.1752, 14.8131,
4.5080

■ 15.9661, 16.9976,
17.6237

■ 10.6614, 14.5690,
3.5465

■ 17.0854, 17.4962,
21.2164

■ 10.2163, 14.3540,
2.8709

■ 18.3053, 18.0370,
25.2553

■ 9.8330, 14.1655,
2.4457

■ 19.6286, 18.6210,
29.7551

■ 9.5852, 14.0428,
2.2053

■ 21.0582, 19.2493,
34.7297

■ 22.5968, 19.9232,
40.1925

■ 24.2470, 20.6436,
46.1563

Harmonies

Analogous

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



14.9901, 15.7403, 8.4582



13.1792, 15.7403, 9.3648



11.9435, 15.7403, 12.2339

Triad

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



13.1792, 15.7403, 9.3648



13.1325, 15.7403, 28.2181



19.0509, 15.7403, 17.2228

Complementary

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



13.1792, 15.7403, 9.3648



9.7735, 8.6207, 17.3693

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.



18.4474, 15.7403, 23.2049



13.1792, 15.7403, 9.3648



14.9313, 15.7403, 30.3425

Square

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



13.1792, 15.7403, 9.3648



11.9183, 15.7403, 23.0269



16.8959, 15.7403, 28.3357



18.4813, 15.7403, 12.3507

Rectangle

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



13.1792, 15.7403, 9.3648



11.5547, 15.7403, 15.2564



16.8959, 15.7403, 28.3357



18.9778, 15.7403, 19.1694

Sweetspot

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



13.1796, 15.7410, 9.3651



27.2508, 29.8369, 27.3943



11.8809, 11.1224, 8.5421



6.4537, 7.0967, 6.3903



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.



13.1796, 15.7410, 9.3651



22.5123, 27.6881, 13.8910



11.2383, 14.7402, 9.2743



3.8683, 4.2156, 3.9521



10.9357, 16.0419, 2.5200



52.4108, 77.7205, 12.2392

Inverse Universe

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



9.7735, 8.6207, 17.3693



15.3675, 12.7435, 30.6943



11.7843, 9.6573, 17.4634



3.5911, 3.6365, 4.6029



4.2458, 1.7801, 18.6624



19.9385, 8.2872, 90.9090

Previews

White Background



This preview shows how the XYZ color 13.1792, 15.7403, 9.3648 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 13.1792, 15.7403, 9.3648 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 13.1792, 15.7403, 9.3648

Background



This preview shows how black text looks on a background with the XYZ color 13.1792, 15.7403, 9.3648.



This preview shows how white text looks on a background with the XYZ color 13.1792, 15.7403,

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

13.1792, 15.7403, 9.3648

Protanopia

14.4537, 15.5818, 8.9024

Deuteranopia

15.9254, 15.6979, 9.5878



Tritanopia

15.2764, 15.7749, 19.3792

Trichromacy



Original Color

13.1792, 15.7403, 9.3648

Protanomaly

14.0381, 15.6876, 9.1256

Deuteranomaly

14.7289, 15.5523, 9.4333

Tritanomaly

14.4267, 15.7558, 15.1128

Monochromacy



Original Color

13.1792, 15.7403, 9.3648

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

13.6311, 15.0606, 13.2549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1792, 15.7403, 9.3648 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(104, 115, 77)` looks like.

```
.text, #text, p{  
    color:rgb(104, 115, 77)  
}
```

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(104, 115, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 115, 77) }
```

Border

The CSS property to change the border of an element to XYZ 13.1792, 15.7403, 9.3648 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(104, 115, 77) }
```


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

```
.border{ border-color:rgb(104, 115, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 115, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 115, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 115, 77);  
box-shadow:4px 4px 4px 4px rgb(104, 115,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1792, 15.7403, 9.3648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 115, 77) }
```

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

```
.background{ background-color: rgb(104,  
115, 77) }
```

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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