

Converting Colors

XYZ(13.9038, 16.9150, 12.6573)

Have a look what the booklet for
XYZ(13.9038, 16.9150, 12.6573)
contains.

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Color

**XYZ(13.9038, 16.9150,
12.6573)**

Conversions

Conversions Part 1

Format	Color
Hex	64785C
RGB	100, 120, 92
RGB Percent	39%, 47%, 36%
CMY	0.6078, 0.5294, 0.6392
CMYK	0.17, 0.00, 0.23, 0.53
HSL	103°, 13%, 42%
HSV	103°, 23%, 47%
XYZ	13.9038, 16.9150, 12.6573
YIQ	110.8280, -2.9320, -12.9480

Conversions

Conversions Part 2

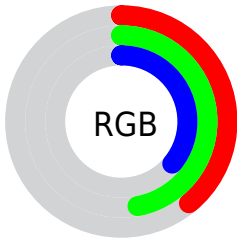
Format	Color
R_{YB}	92, 120, 112
Decimal	6584412
CIE _{Lab}	48.15, -13.07, 13.00
CIE _{LCh}	48, 18.433, 135.152
Yxy	16.9150, 0.3198, 0.3891
Android (android.graphics.Color)	4284774492 (0xFF64785C)
YUV	110.8280, -9.2822, -9.4962
Hunter-Lab	41.1278, -11.6295, 10.5427

Details

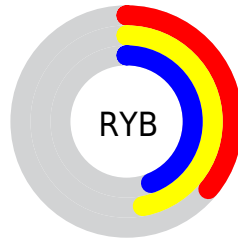
The XYZ color **13.9038, 16.9150, 12.6573** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.9000, 12.4555, 19.4418**, and the grayscale version is **15.0866, 15.8723, 17.2849**.

A 20% lighter version of the original color is **32.3975, 38.0374, 31.2256**, and **4.2146, 5.4606, 3.4166** is the 20% darker color. If you saturate the color by 10%, you get **12.5216, 16.2588, 10.0679**, and if you desaturate by 10%, it is **15.4698, 17.6573, 15.6899**.

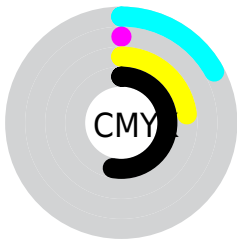
Distribution



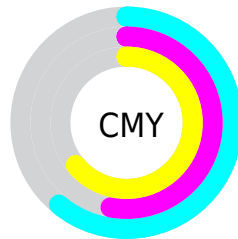
- Red (39%)
- Green (47%)
- Blue (36%)



- Red (36%)
- Yellow (47%)
- Blue (44%)



- Cyan (17%)
- Magenta (0%)
- Yellow (23%)
- Black (53%)



- Cyan (61%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9038, 16.9150, 12.6573 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 13.9038, 16.9150, 12.6573 by changing the saturation by 10% instead.

■ 13.9038, 16.9150,
12.6573

■ 13.9038, 16.9150,
12.6573

210.1542,
234.6821, 219.8397

■ 8.1350, 10.1739,
7.0650

■ 32.5059, 38.1796,
31.3688

■ 4.2340, 5.5144,
3.4237

■ 46.0700, 53.4718,
45.3252

■ 1.8354, 2.5521,
1.3149

■ 62.9632, 72.3833,
62.9067

■ 0.5388, 0.9027,
0.0739

■ 83.5510, 95.2983,
84.5318

■ 0.0000, 0.0000,
0.0000

108.1986,
122.6013, 110.6191

137.2714,

154.6767, 141.5872

171.1348,
191.9088, 177.8545

■ 13.9038, 16.9150,
12.6573

■ 13.9038, 16.9150,
12.6573

■ 12.5216, 16.2588,
10.0679

■ 15.4698, 17.6573,
15.6899

■ 11.3149, 15.6835,
7.8998

■ 17.2249, 18.4866,
19.1839

■ 10.2767, 15.1863,
6.1310

■ 19.1757, 19.4063,
23.1578

■ 9.3989, 14.7638,
4.7372

■ 21.3282, 20.4192,
27.6290

■ 8.6729, 14.4119,
3.6911

■ 23.6881, 21.5279,
32.6136

■ 8.0890, 14.1264,
2.9621

■ 26.2608, 22.7348,
38.1274

■ 7.6356, 13.9022,
2.5107

■ 29.0517, 24.0424,
44.1853

■ 7.3859, 13.7786,
2.2703

■ 32.0657, 25.4528,
50.8016

■ 35.3078, 26.9685,
57.9903

Harmonies

Analogous

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



15.2514, 16.9150, 10.8829



13.9038, 16.9150, 12.6573



13.1654, 16.9150, 16.1574

Triad

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



13.9038, 16.9150, 12.6573



15.2673, 16.9150, 28.8285



19.3844, 16.9150, 16.1141

Complementary

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



13.9038, 16.9150, 12.6573



13.9000, 12.4555, 19.4418

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.



19.3895, 16.9150, 20.8792



13.9038, 16.9150, 12.6573



16.9323, 16.9150, 28.8114

Square

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



13.9038, 16.9150, 12.6573



13.9148, 16.9150, 25.7473



18.4661, 16.9150, 25.7041



18.4528, 16.9150, 12.6304

Rectangle

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



13.9038, 16.9150, 12.6573



13.0830, 16.9150, 19.2569



18.4661, 16.9150, 25.7041



19.4966, 16.9150, 17.6030

Sweetspot

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



13.9042, 16.9157, 12.6577



29.0694, 31.9348, 31.2833



15.4283, 16.2668, 12.4521



6.8584, 7.5537, 7.3523



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.



13.9042, 16.9157, 12.6577



23.1133, 29.1138, 19.7294



13.3164, 16.5833, 13.9559



4.0485, 4.5003, 4.2798



8.0443, 15.0242, 2.4760



37.6335, 71.2862, 11.7761

Inverse Universe

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



13.9000, 12.4555, 19.4418



23.1027, 19.8217, 33.8614



14.6336, 12.8718, 17.7532



4.0482, 4.0227, 5.0063



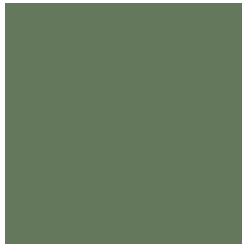
7.8426, 3.6158, 19.6699



36.5409, 16.7995, 93.7865

Previews

White Background



This preview shows how the XYZ color 13.9038, 16.9150, 12.6573 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 13.9038, 16.9150, 12.6573 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 13.9038, 16.9150, 12.6573

Background



This preview shows how black text looks on a background with the XYZ color 13.9038, 16.9150, 12.6573.



This preview shows how white text looks on a background with the XYZ color 13.9038, 16.9150,

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

13.9038, 16.9150, 12.6573

Protanopia

15.8465, 16.8935, 11.8768

Deuteranopia

17.1120, 16.8655, 12.9431



Tritanopia

15.7728, 16.9747, 21.8472

Trichromacy



Original Color

13.9038, 16.9150, 12.6573

Protanomaly

15.0303, 16.8064, 12.1246

Deuteranomaly

15.7388, 16.8180, 12.7726

Tritanomaly

14.9354, 16.7984, 18.0780

Monochromacy



Original Color

13.9038, 16.9150, 12.6573

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.5794, 16.1599, 15.4475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9038, 16.9150, 12.6573 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(100, 120, 92)` looks like.

```
.text, #text, p{  
    color:rgb(100, 120, 92)  
}
```

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(100, 120, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 120, 92) }
```

Border

The CSS property to change the border of an element to XYZ 13.9038, 16.9150, 12.6573 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(100, 120, 92) }
```


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

```
.border{ border-color:rgb(100, 120, 92) }
```

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

Here you see how a box with a 4 pixel rgb(100, 120, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 120, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 120, 92);  
box-shadow:4px 4px 4px 4px rgb(100, 120,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 13.9038, 16.9150, 12.6573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 120, 92) }
```

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

```
.background{ background-color: rgb(100,  
120, 92) }
```

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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