

Converting Colors

XYZ(13.0518, 16.3987, 10.8713)

Have a look what the booklet for
XYZ(13.0518, 16.3987, 10.8713)
contains.

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Color

**XYZ(13.0209, 16.3205,
10.8514)**

Conversions

Conversions Part 1

Format	Color
Hex	607754
RGB	96, 119, 84
RGB Percent	38%, 47%, 33%
CMY	0.6235, 0.5333, 0.6706
CMYK	0.19, 0.00, 0.29, 0.53
HSL	99°, 17%, 40%
HSV	99°, 29%, 47%
XYZ	13.0209, 16.3205, 10.8514
YIQ	108.1330, -2.4730, -15.7610

Conversions

Conversions Part 2

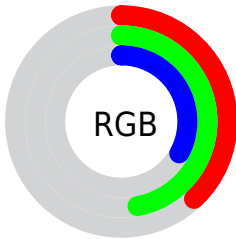
Format	Color
RYB	84, 119, 107
Decimal	6322004
CIELab	47.39, -15.49, 16.57
CIELCh	47, 22.682, 133.069
Yxy	16.3205, 0.3240, 0.4061
Android (android.graphics.Color)	4284512084 (0xFF607754)
YUV	108.1330, -11.8976, -10.6406
Hunter-Lab	40.3986, -13.1652, 12.3533

Details

The XYZ color **13.0209, 16.3205, 10.8514** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.5642, 10.7988, 18.8758**, and the grayscale version is **14.3244, 15.0703, 16.4116**.

A 20% lighter version of the original color is **30.8986, 37.0501, 28.0771**, and **3.8230, 5.1798, 2.7178** is the 20% darker color. If you saturate the color by 10%, you get **11.8117, 15.7470, 8.5651**, and if you desaturate by 10%, it is **14.3921, 16.9693, 13.5594**.

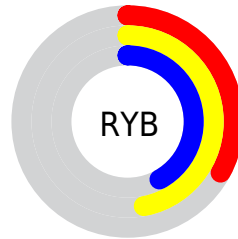
Distribution



Red (38%)

Green (47%)

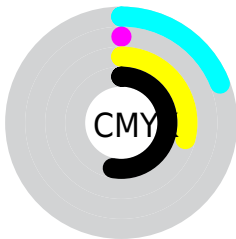
Blue (33%)



Red (33%)

Yellow (47%)

Blue (42%)

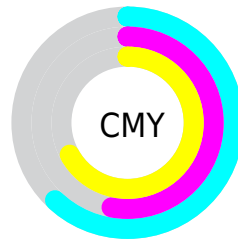


Cyan (19%)

Magenta (0%)

Yellow (29%)

Black (53%)



Cyan (62%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0209, 16.3205, 10.8514 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 13.0209, 16.3205, 10.8514 by changing the saturation by 10% instead.

■ 13.0209, 16.3205,
10.8514

■ 13.0209, 16.3205,
10.8514

204.6865,
231.2256, 207.3459

■ 7.5200, 9.7512,
5.8541

■ 30.9423, 37.1537,
28.0175

■ 3.8386, 5.2343,
2.6892

■ 44.0936, 52.1865,
41.0233

■ 1.6112, 2.3854,
0.9380

■ 60.5257, 70.8091,
57.5358

■ 0.3997, 0.8184,
0.0000

■ 80.6040, 93.4062,
77.9734

■ 0.0000, 0.0000,
0.0000

■ 104.6939,
120.3619, 102.7547

133.1607,

152.0608, 132.2981

166.3698,
188.8872, 167.0224

■ 13.0209, 16.3205,
10.8514

■ 13.0209, 16.3205,
10.8514

■ 11.8117, 15.7470,
8.5651

■ 14.3921, 16.9693,
13.5594

■ 10.7567, 15.2438,
6.6782

■ 15.9299, 17.6940,
16.7078

■ 9.8497, 14.8087,
5.1681

■ 17.6406, 18.4978,
20.3153

■ 9.0831, 14.4383,
4.0094

■ 19.5294, 19.3831,
24.3994

■ 8.4487, 14.1292,
3.1736

■ 21.6016, 20.3522,
28.9765

■ 7.9375, 13.8772,
2.6276

■ 23.8620, 21.4073,
34.0623

■ 7.5257, 13.6725,
2.2625

■ 26.3154, 22.5504,
39.6720

■ 7.5035, 13.6615,
2.2415

■ 28.9664, 23.7838,
45.8197

■ 31.8194, 25.1092,
52.5195

Harmonies

Analogous

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



14.6549, 16.3205, 9.0251



13.0209, 16.3205, 10.8514



12.1023, 16.3205, 14.7391

Triad

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



13.0209, 16.3205, 10.8514



14.4141, 16.3205, 30.5944



19.5876, 16.3205, 15.3842

Complementary

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



13.0209, 16.3205, 10.8514



12.5642, 10.7988, 18.8758

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.



19.5090, 16.3205, 21.1909



13.0209, 16.3205, 10.8514



16.4021, 16.3205, 30.8725

Square

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



13.0209, 16.3205, 10.8514



12.8577, 16.3205, 26.4464



18.3025, 16.3205, 27.1397



18.5088, 16.3205, 11.2354

Rectangle

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



13.0209, 16.3205, 10.8514



11.9656, 16.3205, 18.3691



18.3025, 16.3205, 27.1397



19.6982, 16.3205, 17.1846

Sweetspot

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



13.0213, 16.3212, 10.8518



28.5782, 31.7088, 30.0288



14.4403, 15.0260, 10.5270



6.6895, 7.4755, 6.9435



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.



13.0213, 16.3212, 10.8518



21.8814, 28.5446, 16.6959



12.0672, 15.8047, 11.9212



3.7481, 4.1536, 3.9465



7.9620, 14.5089, 2.3809



37.9620, 70.2719, 11.5630

Inverse Universe

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



12.5642, 10.7988, 18.8758



20.9247, 17.0221, 33.4358



13.8017, 11.4722, 17.3327



3.7105, 3.6981, 4.6085



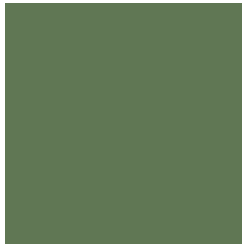
6.8832, 3.1397, 18.7858



32.5969, 14.8128, 91.5014

Previews

White Background



This preview shows how the XYZ color 13.0209, 16.3205, 10.8514 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 13.0209, 16.3205, 10.8514 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 13.0209, 16.3205, 10.8514

Background



This preview shows how black text looks on a background with the XYZ color 13.0209, 16.3205, 10.8514.



This preview shows how white text looks on a background with the XYZ color 13.0209, 16.3205,

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

13.0209, 16.3205, 10.8514

Protanopia

15.1645, 16.2474, 10.1214

Deuteranopia

16.5580, 16.3025, 11.0781



Tritanopia

15.0720, 16.2895, 21.0887

Trichromacy



Original Color

13.0209, 16.3205, 10.8514

Protanomaly

14.3358, 16.3154, 10.3763

Deuteranomaly

15.0416, 16.1662, 10.9219

Tritanomaly

14.2612, 16.3042, 16.8634

Monochromacy



Original Color

13.0209, 16.3205, 10.8514

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.7552, 15.4322, 14.0581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0209, 16.3205, 10.8514 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(96, 119, 84) looks like.

```
.text, #text, p{  
    color:rgb(96, 119, 84)  
}
```

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(96, 119, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 119, 84) }
```

Border

The CSS property to change the border of an element to XYZ 13.0209, 16.3205, 10.8514 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(96, 119, 84) }
```


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

```
.border{ border-color:rgb(96, 119, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 119, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 119, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 119, 84);  
box-shadow:4px 4px 4px 4px rgb(96, 119,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0209, 16.3205, 10.8514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 119, 84) }
```

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

```
.background{ background-color: rgb(96, 119,  
84) }
```

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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