

Converting Colors

XYZ(13.2494, 16.2461, 11.2502)

Have a look what the booklet for
XYZ(13.2494, 16.2461, 11.2502)
contains.

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Color

**XYZ(13.3037, 16.2814,
11.2455)**

Conversions

Conversions Part 1

Format	Color
Hex	637656
RGB	99, 118, 86
RGB Percent	39%, 46%, 34%
CMY	0.6118, 0.5372, 0.6627
CMYK	0.16, 0.00, 0.27, 0.54
HSL	96°, 16%, 40%
HSV	96°, 27%, 46%
XYZ	13.3037, 16.2814, 11.2455
YIQ	108.6710, -1.0520, -13.9800

Conversions

Conversions Part 2

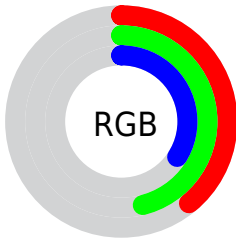
Format	Color
R_{YB}	86, 118, 105
Decimal	6518358
CIE _{Lab}	47.34, -13.42, 15.37
CIE _{LCh}	47, 20.406, 131.114
Yxy	16.2814, 0.3258, 0.3988
Android (android.graphics.Color)	4284708438 (0xFF637656)
YUV	108.6710, -11.1768, -8.4815
Hunter-Lab	40.3502, -11.7604, 11.7212

Details

The XYZ color **13.3037, 16.2814, 11.2455** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.4242, 10.9673, 18.6025**, and the grayscale version is **14.4738, 15.2276, 16.5829**.

A 20% lighter version of the original color is **31.3963, 37.0111, 28.7816**, and **3.9893, 5.2636, 2.8132** is the 20% darker color. If you saturate the color by 10%, you get **12.1345, 15.7296, 8.9106**, and if you desaturate by 10%, it is **14.6187, 16.9002, 13.9977**.

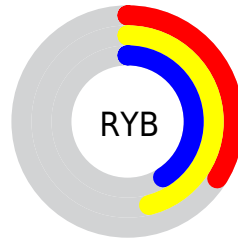
Distribution



Red (39%)

Green (46%)

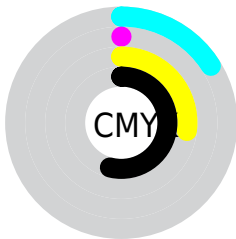
Blue (34%)



Red (34%)

Yellow (46%)

Blue (41%)

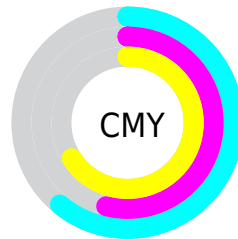


Cyan (16%)

Magenta (0%)

Yellow (27%)

Black (54%)



Cyan (61%)

Magenta (54%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3037, 16.2814, 11.2455 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 13.3037, 16.2814, 11.2455 by changing the saturation by 10% instead.

■ 13.3037, 16.2814,
11.2455

■ 13.3037, 16.2814,
11.2455

206.4535,
230.9965, 210.1417

■ 7.7164, 9.7235,
6.1160

■ 31.4450, 37.0860,
28.7568

■ 3.9643, 5.2160,
2.8458

■ 44.7298, 52.1016,
41.9757

■ 1.6820, 2.3746,
1.0164

■ 61.3111, 70.7051,
58.7280

■ 0.4449, 0.8128,
0.0000

■ 81.5544, 93.2810,
79.4325

■ 0.0000, 0.0000,
0.0000

■ 105.8249,
120.2137, 104.5075

134.4880,

151.8876, 134.3717

167.9091,
188.6871, 169.4436

■ 13.3037, 16.2814,
11.2455

■ 13.3037, 16.2814,
11.2455

■ 12.1345, 15.7296,
8.9106

■ 14.6187, 16.9002,
13.9977

■ 11.1043, 15.2404,
6.9717

■ 16.0835, 17.5863,
17.1852

■ 10.2077, 14.8119,
5.4069

■ 17.7033, 18.3425,
20.8260

■ 9.4381, 14.4412,
4.1921

■ 19.4830, 19.1708,
24.9370

■ 8.7887, 14.1255,
3.3002

■ 21.4269, 20.0732,
29.5342

■ 8.2514, 13.8612,
2.7000

■ 23.5394, 21.0516,
34.6327

■ 7.8104, 13.6419,
2.3191

■ 25.8247, 22.1077,
40.2471

■ 7.6945, 13.5843,
2.2165

■ 28.2865, 23.2434,
46.3913

■ 30.9290, 24.4604,
53.0787

Harmonies

Analogous

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



14.8157, 16.2814, 9.6554



13.3037, 16.2814, 11.2455



12.4187, 16.2814, 14.7018

Triad

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



13.3037, 16.2814, 11.2455



14.3788, 16.2814, 28.8900



19.1355, 16.2814, 15.8803

Complementary

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



13.3037, 16.2814, 11.2455



12.4242, 10.9673, 18.6025

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.



18.9956, 16.2814, 21.1426



13.3037, 16.2814, 11.2455



16.1535, 16.2814, 29.3754

Square

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



13.3037, 16.2814, 11.2455



13.0053, 16.2814, 25.0976



17.8705, 16.2814, 26.3177



18.2391, 16.2814, 11.9634

Rectangle

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



13.3037, 16.2814, 11.2455



12.2587, 16.2814, 17.9216



17.8705, 16.2814, 26.3177



19.2098, 16.2814, 17.5352

Sweetspot

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



13.3041, 16.2821, 11.2459



27.9876, 30.7849, 29.5727



14.1693, 14.5595, 10.8678



6.3579, 7.0419, 6.6300



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.



13.3041, 16.2821, 11.2459



21.9860, 27.9643, 16.9423



12.1059, 15.6517, 11.7612



3.7684, 4.1641, 3.9474



8.3103, 14.6885, 2.3972



39.5785, 71.1052, 11.6387

Inverse Universe

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



12.4242, 10.9673, 18.6025



20.1441, 16.8484, 32.3274



13.9134, 11.7530, 17.8565



3.6896, 3.6873, 4.6075



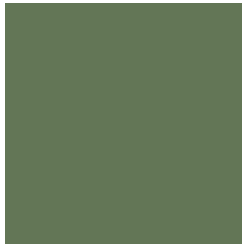
6.2613, 2.8191, 18.7567



29.5233, 13.2283, 91.3576

Previews

White Background



This preview shows how the XYZ color 13.3037, 16.2814, 11.2455 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 13.3037, 16.2814, 11.2455 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 13.3037, 16.2814, 11.2455

Background



This preview shows how black text looks on a background with the XYZ color 13.3037, 16.2814, 11.2455.



This preview shows how white text looks on a background with the XYZ color 13.3037, 16.2814,

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

13.3037, 16.2814, 11.2455

Protanopia

15.1012, 16.2059, 10.5158

Deuteranopia

16.4841, 16.2550, 11.5012



Tritanopia

15.2437, 16.2187, 20.7394

Trichromacy



Original Color

13.3037, 16.2814, 11.2455

Protanomaly

14.2996, 16.1195, 10.7452

Deuteranomaly

15.1222, 16.1984, 11.3464

Tritanomaly

14.4846, 16.2492, 16.8410

Monochromacy



Original Color

13.3037, 16.2814, 11.2455

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9688, 15.5312, 14.5735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3037, 16.2814, 11.2455 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(99, 118, 86) looks like.

```
.text, #text, p{  
    color:rgb(99, 118, 86)  
}
```

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(99, 118, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 118, 86) }
```

Border

The CSS property to change the border of an element to XYZ 13.3037, 16.2814, 11.2455 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(99, 118, 86) }
```


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

```
.border{ border-color:rgb(99, 118, 86) }
```

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

Here you see how a box with a 4 pixel rgb(99, 118, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 118, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 118, 86);  
box-shadow:4px 4px 4px 4px rgb(99, 118,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3037, 16.2814, 11.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 118, 86) }
```

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

```
.background{ background-color: rgb(99, 118,  
86) }
```

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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