

Converting Colors

XYZ(13.6666, 16.7825, 13.1087)

Have a look what the booklet for
XYZ(13.6666, 16.7825, 13.1087)
contains.

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Color

**XYZ(13.6666, 16.7825,
13.1087)**

Conversions

Conversions Part 1

Format	Color
Hex	61785E
RGB	97, 120, 94
RGB Percent	38%, 47%, 37%
CMY	0.6196, 0.5294, 0.6314
CMYK	0.19, 0.00, 0.22, 0.53
HSL	113°, 12%, 42%
HSV	113°, 22%, 47%
XYZ	13.6666, 16.7825, 13.1087
YIQ	110.1590, -5.3620, -12.9620

Conversions

Conversions Part 2

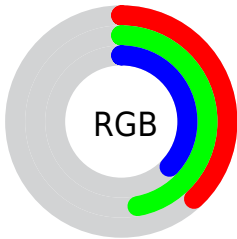
Format	Color
R_{YB}	94, 120, 117
Decimal	6387806
CIE _{Lab}	47.98, -13.85, 11.56
CIE _{LCh}	48, 18.043, 140.146
Yxy	16.7825, 0.3138, 0.3853
Android (android.graphics.Color)	4284577886 (0xFF61785E)
YUV	110.1590, -7.9664, -11.5404
Hunter-Lab	40.9664, -12.1428, 9.7045

Details

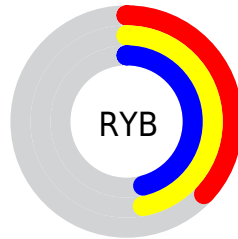
The XYZ color **13.6666, 16.7825, 13.1087** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.7297, 13.1439, 19.5309**, and the grayscale version is **14.8903, 15.6657, 17.0600**.

A 20% lighter version of the original color is **31.9993, 37.8146, 31.9980**, and **4.1021, 5.3980, 3.6220** is the 20% darker color. If you saturate the color by 10%, you get **12.1131, 16.0396, 10.4403**, and if you desaturate by 10%, it is **15.4562, 17.6384, 16.2260**.

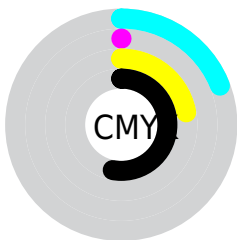
Distribution



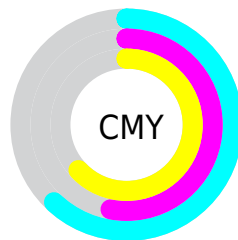
- Red (38%)
- Green (47%)
- Blue (37%)



- Red (37%)
- Yellow (47%)
- Blue (46%)



- Cyan (19%)
- Magenta (0%)
- Yellow (22%)
- Black (53%)



- Cyan (62%)
- Magenta (53%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6666, 16.7825, 13.1087 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 13.6666, 16.7825, 13.1087 by changing the saturation by 10% instead.

■ 13.6666, 16.7825,
13.1087

■ 13.6666, 16.7825,
13.1087

208.6991,
233.9159, 222.8454

■ 7.9693, 10.0795,
7.3718

■ 32.0875, 37.9514,
32.1930

■ 4.1269, 5.4517,
3.6138

■ 45.5418, 53.1862,
46.3775

■ 1.7742, 2.5147,
1.4159

■ 62.3125, 72.0337,
64.2149

■ 0.5021, 0.8840,
0.1541

■ 82.7649, 94.8783,
86.1239

■ 0.0000, 0.0000,
0.0000

107.2645,
122.1044, 112.5228

136.1764,

154.0965, 143.8304

169.8662,
191.2388, 180.4650

■ 13.6666, 16.7825,
13.1087

■ 13.6666, 16.7825,
13.1087

■ 12.1131, 16.0396,
10.4403

■ 15.4562, 17.6384,
16.2260

■ 10.7844, 15.4029,
8.1991

■ 17.4898, 18.6095,
19.8102

■ 9.6706, 14.8681,
6.3632

■ 19.7765, 19.7007,
23.8800

■ 8.7602, 14.4301,
4.9083

■ 22.3247, 20.9157,
28.4525

■ 8.0408, 14.0828,
3.8078

■ 25.1423, 22.2585,
33.5441

■ 7.4986, 13.8199,
3.0313

■ 28.2369, 23.7325,
39.1703

■ 7.1178, 13.6340,
2.5436

■ 31.6158, 25.3412,
45.3461

■ 6.8955, 13.5257,
2.2473

■ 35.2860, 27.0879,
52.0858

■ 39.2544, 28.9758,
59.4033

Harmonies

Analogous

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



14.8971, 16.7825, 11.0821



13.6666, 16.7825, 13.1087



13.0613, 16.7825, 16.7814

Triad

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



13.6666, 16.7825, 13.1087



15.4214, 16.7825, 28.6070



19.0746, 16.7825, 15.3560

Complementary

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



13.6666, 16.7825, 13.1087



14.7297, 13.1439, 19.5309

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.



19.2388, 16.7825, 19.8511



13.6666, 16.7825, 13.1087



17.0540, 16.7825, 28.0494

Square

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



13.6666, 16.7825, 13.1087



14.0279, 16.7825, 26.0567



18.4773, 16.7825, 24.6423



18.0428, 16.7825, 12.2183

Rectangle

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



13.6666, 16.7825, 13.1087



13.0637, 16.7825, 19.8986



18.4773, 16.7825, 24.6423



19.2357, 16.7825, 16.7390

Sweetspot

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



13.6670, 16.7832, 13.1091



28.7373, 31.7635, 31.2678



16.1243, 17.5169, 13.1212



6.7754, 7.5109, 7.3485



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.



13.6670, 16.7832, 13.1091



22.6279, 28.8432, 20.6266



13.8301, 16.8122, 15.6044



3.9899, 4.4701, 4.2770



7.5149, 14.7513, 2.4512



35.4620, 70.1667, 11.6745

Inverse Universe

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



14.7297, 13.1439, 19.5309



24.8468, 21.2393, 34.0431



14.5653, 13.1254, 16.5278



4.1112, 4.0552, 5.0092



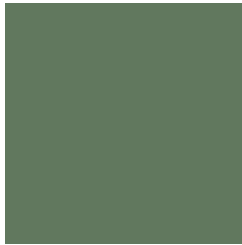
10.1959, 4.8289, 19.7800



48.1753, 22.7973, 94.3310

Previews

White Background



This preview shows how the XYZ color 13.6666, 16.7825, 13.1087 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 13.6666, 16.7825, 13.1087 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 13.6666, 16.7825, 13.1087

Background



This preview shows how black text looks on a background with the XYZ color 13.6666, 16.7825, 13.1087.



This preview shows how white text looks on a background with the XYZ color 13.6666, 16.7825,

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

13.6666, 16.7825, 13.1087

Protanopia

15.6786, 16.6305, 12.2812

Deuteranopia

16.9400, 16.6071, 13.3790



Tritanopia

15.4266, 16.7962, 21.8310

Trichromacy



Original Color

13.6666, 16.7825, 13.1087

Protanomaly

14.8592, 16.7082, 12.5671

Deuteranomaly

15.5784, 16.5584, 13.2015

Tritanomaly

14.6541, 16.6468, 18.3604

Monochromacy



Original Color

13.6666, 16.7825, 13.1087

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.3417, 16.0374, 15.4363

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6666, 16.7825, 13.1087 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(97, 120, 94) looks like.

```
.text, #text, p{  
    color:rgb(97, 120, 94)  
}
```

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(97, 120, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 120, 94) }
```

Border

The CSS property to change the border of an element to XYZ 13.6666, 16.7825, 13.1087 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(97, 120, 94) }
```


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

```
.border{ border-color:rgb(97, 120, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 120, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 120, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 120, 94);  
box-shadow:4px 4px 4px 4px rgb(97, 120,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6666, 16.7825, 13.1087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 120, 94) }
```

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

```
.background{ background-color: rgb(97, 120,  
94) }
```

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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