

Converting Colors

XYZ(13.8768, 15.4264, 12.5157)

Have a look what the booklet for
XYZ(13.8768, 15.4264, 12.5157)
contains.

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Color

**XYZ(13.8446, 15.3473,
12.5886)**

Conversions

Conversions Part 1

Format	Color
Hex	6C6F5D
RGB	108, 111, 93
RGB Percent	42%, 44%, 36%
CMY	0.5765, 0.5647, 0.6353
CMYK	0.03, 0.00, 0.16, 0.56
HSL	70°, 9%, 40%
HSV	70°, 16%, 44%
XYZ	13.8446, 15.3473, 12.5886
YIQ	108.0510, 3.9900, -6.2340

Conversions

Conversions Part 2

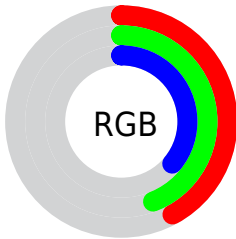
Format	Color
RYB	93, 111, 96
Decimal	7106397
CIELab	46.11, -4.62, 9.65
CIELCh	46, 10.697, 115.597
Yxy	15.3473, 0.3314, 0.3673
Android (android.graphics.Color)	4285296477 (0xFF6C6F5D)
YUV	108.0510, -7.4201, -0.0447
Hunter-Lab	39.1756, -5.4758, 8.3708

Details

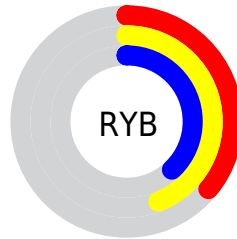
The XYZ color **13.8446, 15.3473, 12.5886** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.6080, 11.4636, 16.6405**, and the grayscale version is **14.2879, 15.0320, 16.3698**.

A 20% lighter version of the original color is **32.5523, 35.6511, 31.1523**, and **4.1541, 4.7209, 3.3816** is the 20% darker color. If you saturate the color by 10%, you get **13.1657, 15.0505, 10.1740**, and if you desaturate by 10%, it is **14.6005, 15.6765, 15.3800**.

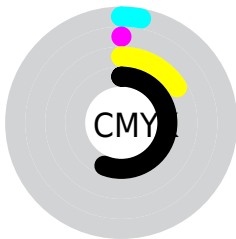
Distribution



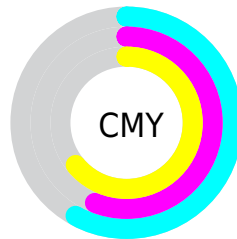
- Red (42%)
- Green (44%)
- Blue (36%)



- Red (36%)
- Yellow (44%)
- Blue (38%)



- Cyan (3%)
- Magenta (0%)
- Yellow (16%)
- Black (56%)



- Cyan (58%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8446, 15.3473, 12.5886 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 13.8446, 15.3473, 12.5886 by changing the saturation by 10% instead.

■ 13.8446, 15.3473,
12.5886

■ 13.8446, 15.3473,
12.5886

209.7919,
225.4588, 219.3784

■ 8.0936, 9.0635,
7.0185

■ 32.4016, 35.4613,
31.2430

■ 4.2072, 4.7826,
3.3950

■ 45.9384, 50.0603,
45.1643

■ 1.8200, 2.1203,
1.2997

■ 62.8011, 68.1998,
62.7064

■ 0.5297, 0.6760,
0.0616

■ 83.3552, 90.2642,
84.2879

■ 0.0000, 0.0000,
0.0000

107.9660,
116.6379, 110.3274

136.9988,

147.7053, 141.2432

170.8190,
183.8508, 177.4540

■ 13.8446, 15.3473,
12.5886

■ 13.8446, 15.3473,
12.5886

■ 13.1657, 15.0505,
10.1740

■ 14.6005, 15.6765,
15.3800

■ 12.5594, 14.7828,
8.1192

■ 15.4352, 16.0372,
18.5625

■ 12.0229, 14.5436,
6.4071

■ 16.3516, 16.4311,
22.1507

■ 11.5526, 14.3313,
5.0190

■ 17.3525, 16.8595,
26.1581

■ 11.1445, 14.1446,
3.9345

■ 18.4403, 17.3231,
30.5977

■ 10.7943, 13.9815,
3.1306

■ 19.6175, 17.8231,
35.4820

■ 10.4971, 13.8401,
2.5814

■ 20.8862, 18.3602,
40.8228

■ 10.2416, 13.7159,
2.2282

■ 22.2488, 18.9355,
46.6317

■ 10.1479, 13.6703,
2.1038

■ 23.7073, 19.5497,
52.9196

Harmonies

Analogous

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



14.7218, 15.3473, 12.1980



13.8446, 15.3473, 12.5886



13.1913, 15.3473, 14.0376

Triad

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



13.8446, 15.3473, 12.5886



13.6212, 15.3473, 21.1928



16.4011, 15.3473, 17.0981

Complementary

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



13.8446, 15.3473, 12.5886



11.6080, 11.4636, 16.6405

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.



16.0781, 15.3473, 19.7031



13.8446, 15.3473, 12.5886



14.4533, 15.3473, 22.2180

Square

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



13.8446, 15.3473, 12.5886



13.0662, 15.3473, 18.9691



15.3558, 15.3473, 21.6465



16.2218, 15.3473, 14.6389

Rectangle

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



13.8446, 15.3473, 12.5886



12.9581, 15.3473, 15.4955



15.3558, 15.3473, 21.6465



16.3473, 15.3473, 17.9876

Sweetspot

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



13.8450, 15.3480, 12.5889



26.2981, 28.1370, 28.1210



12.7147, 12.5360, 12.1057



6.2992, 6.7516, 6.6853



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8450, 15.3480, 12.5889



24.3744, 27.3000, 21.0414



12.8063, 14.8125, 12.5403



3.5900, 3.8895, 3.6349



11.9392, 16.0986, 2.4781



58.8511, 79.8729, 12.3152

Inverse Universe

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



11.6080, 11.4636, 16.6405



19.6590, 19.1116, 29.5826



12.6098, 11.9800, 16.6874



3.2647, 3.3247, 4.2239



3.6692, 1.5010, 17.8179



17.7668, 7.2135, 88.7351

Previews

White Background



This preview shows how the XYZ color 13.8446, 15.3473, 12.5886 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 13.8446, 15.3473, 12.5886 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

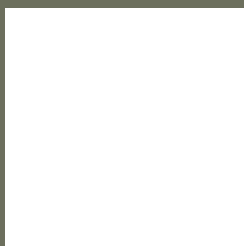
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8446, 15.3473, 12.5886

Background



This preview shows how black text looks on a background with the XYZ color 13.8446, 15.3473, 12.5886.



This preview shows how white text looks on a background with the XYZ color 13.8446, 15.3473,

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

13.8446, 15.3473, 12.5886

Protanopia

14.4706, 15.3548, 12.3263

Deuteranopia

15.5294, 15.2713, 12.7188



Tritanopia

15.0705, 15.3656, 18.6946

Trichromacy



Original Color

13.8446, 15.3473, 12.5886

Protanomaly

14.1898, 15.3693, 12.3439

Deuteranomaly

14.8858, 15.2455, 12.7478

Tritanomaly

14.6058, 15.3350, 16.3775

Monochromacy



Original Color

13.8446, 15.3473, 12.5886

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.1012, 15.1047, 15.0043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8446, 15.3473, 12.5886 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(108, 111, 93)` looks like.

```
.text, #text, p{  
    color:rgb(108, 111, 93)  
}
```

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(108, 111, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 111, 93) }
```

Border

The CSS property to change the border of an element to XYZ 13.8446, 15.3473, 12.5886 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(108, 111, 93) }
```


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

```
.border{ border-color:rgb(108, 111, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 111, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 111, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 111, 93);  
box-shadow:4px 4px 4px 4px rgb(108, 111,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8446, 15.3473, 12.5886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 111, 93) }
```

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

```
.background{ background-color: rgb(108,  
111, 93) }
```

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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