

Converting Colors

XYZ(13.3783, 13.7332, 16.0966)

Have a look what the booklet for
XYZ(13.3783, 13.7332, 16.0966)
contains.

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Color

**XYZ(13.3827, 13.7865,
16.1431)**

Conversions

Conversions Part 1

Format	Color
Hex	69676C
RGB	105, 103, 108
RGB Percent	41%, 40%, 42%
CMY	0.5882, 0.5961, 0.5765
CMYK	0.03, 0.05, 0.00, 0.58
HSL	264°, 2%, 41%
HSV	264°, 5%, 42%
XYZ	13.3827, 13.7865, 16.1431
YIQ	104.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

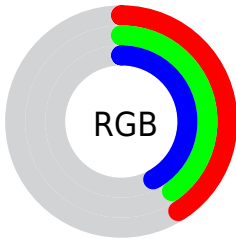
Format	Color
R_{YB}	105, 103, 108
Decimal	6907756
CIE Lab	43.93, 1.82, -2.53
CIE LCh	44, 3.121, 305.693
Yxy	13.7865, 0.3090, 0.3183
Android (android.graphics.Color)	4285097836 (0xFF69676C)
YUV	104.1680, 1.8892, 0.7297
Hunter-Lab	37.1302, -0.6417, 0.2136

Details

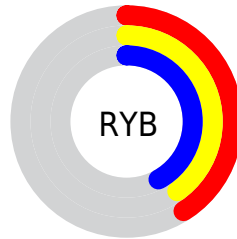
The XYZ color **13.3827, 13.7865, 16.1431** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7553, 14.7690, 14.9585**, and the grayscale version is **13.1986, 13.8860, 15.1218**.

A 20% lighter version of the original color is **31.5239, 32.6823, 37.4477**, and **4.0014, 4.0648, 4.9886** is the 20% darker color. If you saturate the color by 10%, you get **11.6445, 11.3977, 15.7738**, and if you desaturate by 10%, it is **15.3186, 16.4840, 16.5619**.

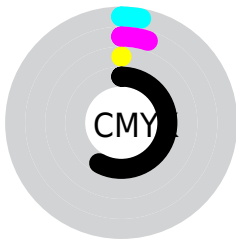
Distribution



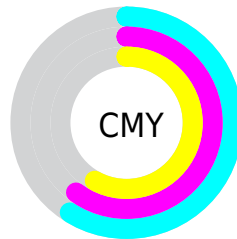
- Red (41%)
- Green (40%)
- Blue (42%)



- Red (41%)
- Yellow (40%)
- Blue (42%)



- Cyan (3%)
- Magenta (5%)
- Yellow (0%)
- Black (58%)



- Cyan (59%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3827, 13.7865, 16.1431 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 13.3827, 13.7865, 16.1431 by changing the saturation by 10% instead.

■ 13.3827, 13.7865,
16.1431

■ 13.3827, 13.7865,
16.1431

206.9444,
215.8986, 242.0591

■ 7.7714, 7.9723,
9.4700

■ 31.5851, 32.7097,
37.6167

■ 3.9996, 4.0772,
4.9480

■ 44.9070, 46.5876,
53.2543

■ 1.7019, 1.7169,
2.1586

■ 61.5297, 63.9221,
72.7171

■ 0.4575, 0.4345,
0.6503

■ 81.8187, 85.0976,
96.4238

■ 0.0000, 0.0000,
0.0000

106.1393,
110.4987, 124.7928

134.8569,

140.5096, 158.2426

168.3368,
175.5148, 197.1919

■ 13.3827, 13.7865,
16.1431

■ 13.3827, 13.7865,
16.1431

■ 11.6445, 11.3977,
15.7738

■ 15.3186, 16.4840,
16.5619

■ 10.0961, 9.3046,
15.4514

■ 17.4572, 19.4990,
17.0312

■ 8.7312, 7.4959,
15.1743

■ 19.8048, 22.8423,
17.5528

■ 7.5422, 5.9588,
14.9402

■ 22.3672, 26.5234,
18.1282

■ 6.5212, 4.6797,
14.7472

■ 25.1499, 30.5517,
18.7591

■ 5.6597, 3.6436,
14.5926

■ 28.1580, 34.9361,
19.4469

■ 4.9482, 2.8338,
14.4738

■ 31.3967, 39.6851,
20.1928

■ 4.3761, 2.2318,
14.3877

■ 34.8710, 44.8070,
20.9983

■ 3.9258, 1.8046,
14.3290

■ 38.5855, 50.3098,
21.8647

Harmonies

Analogous

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



13.1508, 13.7865, 16.4057



13.3827, 13.7865, 16.1431



13.5413, 13.7865, 15.5780

Triad

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



13.3827, 13.7865, 16.1431



13.3001, 13.7865, 13.8054



12.6367, 13.7865, 15.1465

Complementary

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



13.3827, 13.7865, 16.1431



13.7553, 14.7690, 14.9585

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.



12.6756, 13.7865, 14.4582



13.3827, 13.7865, 16.1431



13.0566, 13.7865, 13.6980

Square

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



13.3827, 13.7865, 16.1431



13.4932, 13.7865, 14.2315



12.8285, 13.7865, 13.9334



12.7217, 13.7865, 15.8188

Rectangle

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



13.3827, 13.7865, 16.1431



13.5830, 13.7865, 15.1135



12.8285, 13.7865, 13.9334



12.6358, 13.7865, 14.9092

Sweetspot

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



13.3831, 13.7871, 16.1434



24.6784, 25.8461, 28.5958



13.4635, 14.2921, 16.2366



5.9800, 6.2652, 6.9229



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



13.3831, 13.7871, 16.1434



23.0046, 23.5260, 28.2362



13.6711, 13.9356, 16.1569



3.1678, 3.2380, 3.8929



4.3952, 1.8929, 17.0560



21.4698, 9.1677, 86.8642

Inverse Universe

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



13.6367, 13.9300, 15.6066



23.5936, 23.8579, 26.9860



13.4720, 14.6230, 14.9452



3.2504, 3.2845, 3.7176



8.4954, 4.2503, 6.2371



42.8504, 21.4821, 29.4786

Previews

White Background



This preview shows how the XYZ color 13.3827, 13.7865, 16.1431 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 13.3827, 13.7865, 16.1431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

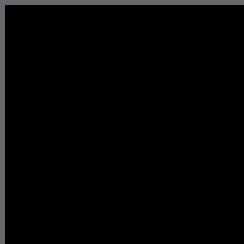
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

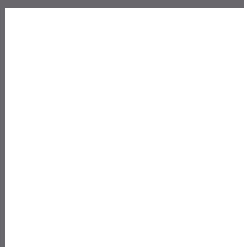
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3827, 13.7865, 16.1431

Background



This preview shows how black text looks on a background with the XYZ color 13.3827, 13.7865, 16.1431.



This preview shows how white text looks on a background with the XYZ color 13.3827, 13.7865,

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

13.3827, 13.7865, 16.1431

Protanopia

13.2659, 13.7263, 16.1376

Deuteranopia

14.0425, 13.8348, 16.1176



Tritanopia

13.5452, 13.8515, 16.9986

Trichromacy

**Original Color**

13.3827, 13.7865, 16.1431

Protanomaly

13.2659, 13.7263, 16.1376

Deuteranomaly

13.7648, 13.8367, 16.1326

Tritanomaly

13.4904, 13.8295, 16.7102

Monochromacy

**Original Color**

13.3827, 13.7865, 16.1431

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2090, 13.8636, 15.3444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3827, 13.7865, 16.1431 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(105, 103, 108)` looks like.

```
.text, #text, p{  
    color:rgb(105, 103, 108)  
}
```

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(105, 103, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 103, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.3827, 13.7865, 16.1431 is called "border". The border property can be set on classes, ids or directly on the HTML element.

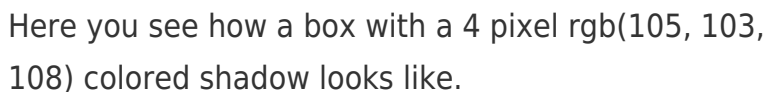
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 103, 108) }
```


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

```
.border{ border-color:rgb(105, 103, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 103, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 103, 108); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 103, 108); box-shadow:4px 4px 4px 4px rgb(105, 103, 108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3827, 13.7865, 16.1431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 103, 108) }
```

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

```
.background{ background-color: rgb(105,  
103, 108) }
```

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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