

Converting Colors

XYZ(13.8445, 13.5578, 17.5100)

Have a look what the booklet for
XYZ(13.8445, 13.5578, 17.5100)
contains.

XYZ(13.8445, 13.5578, 17.5100)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.8445, 13.5578,
17.5100)**

Conversions

Conversions Part 1

Format	Color
Hex	6D6471
RGB	109, 100, 113
RGB Percent	43%, 39%, 44%
CMY	0.5725, 0.6078, 0.5569
CMYK	0.04, 0.12, 0.00, 0.56
HSL	282°, 6%, 42%
HSV	282°, 12%, 44%
XYZ	13.8445, 13.5578, 17.5100
YIQ	104.1730, 1.1910, 5.9510

Conversions

Conversions Part 2

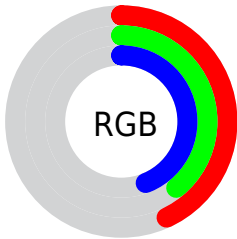
Format	Color
R_{YB}	109, 100, 113
Decimal	7169137
CIE Lab	43.59, 6.22, -6.02
CIE LCh	44, 8.650, 315.933
Yxy	13.5578, 0.3083, 0.3019
Android (android.graphics.Color)	4285359217 (0xFF6D6471)
YUV	104.1730, 4.3517, 4.2333
Hunter-Lab	36.8209, 2.6786, -2.4204

Details

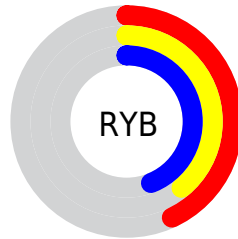
The XYZ color **13.8445, 13.5578, 17.5100** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9147, 15.6737, 14.3492**, and the grayscale version is **13.1932, 13.8803, 15.1157**.

A 20% lighter version of the original color is **32.5561, 32.4269, 40.1404**, and **4.1517, 3.9200, 5.5388** is the 20% darker color. If you saturate the color by 10%, you get **12.4158, 11.3227, 17.1541**, and if you desaturate by 10%, it is **15.4413, 16.1035, 17.9174**.

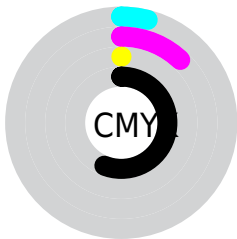
Distribution



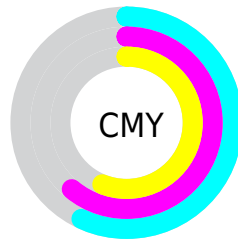
- Red (43%)
- Green (39%)
- Blue (44%)



- Red (43%)
- Yellow (39%)
- Blue (44%)



- Cyan (4%)
- Magenta (12%)
- Yellow (0%)
- Black (56%)



- Cyan (57%)
- Magenta (61%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8445, 13.5578, 17.5100 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 13.8445, 13.5578, 17.5100 by changing the saturation by 10% instead.

■ 13.8445, 13.5578,
17.5100

■ 13.8445, 13.5578,
17.5100

209.7913,
214.4623, 250.2371

■ 8.0936, 7.8138,
10.4330

■ 32.4014, 32.3023,
40.0032

■ 4.2072, 3.9760,
5.5776

■ 45.9382, 46.0716,
56.2564

■ 1.8200, 1.6602,
2.5254

■ 62.8008, 63.2847,
76.4055

■ 0.5297, 0.3977,
0.8536

■ 83.3549, 84.3261,
100.8689

■ 0.0000, 0.0000,
0.0000

107.9656,
109.5802, 130.0653

136.9983,

139.4313, 164.4131

170.8184,
174.2639, 204.3308

■ 13.8445, 13.5578,
17.5100

■ 13.8445, 13.5578,
17.5100

■ 12.4158, 11.3227,
17.1541

■ 15.4413, 16.1035,
17.9174

■ 11.1476, 9.3840,
16.8467

■ 17.2109, 18.9697,
18.3774

■ 10.0336, 7.7292,
16.5860

■ 19.1595, 22.1682,
18.8920

■ 9.0665, 6.3438,
16.3696

■ 21.2925, 25.7094,
19.4631

■ 8.2383, 5.2124,
16.1949

■ 23.6150, 29.6034,
20.0924

7.5403, 4.3177,
16.0590

26.1319, 33.8598,
20.7813

6.9627, 3.6405,
15.9587

28.8481, 38.4881,
21.5315

6.4941, 3.1582,
15.8903

31.7682, 43.4970,
22.3444

6.1415, 2.8217,
15.8439

34.8965, 48.8952,
23.2214

Harmonies

Analogous

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



13.2470, 13.5578, 18.6453



13.8445, 13.5578, 17.5100



14.1908, 13.5578, 15.6870

Triad

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



13.8445, 13.5578, 17.5100



13.2053, 13.5578, 11.4329



11.6746, 13.5578, 15.8095

Complementary

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



13.8445, 13.5578, 17.5100



13.9147, 15.6737, 14.3492

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.



11.6643, 13.5578, 13.8744



13.8445, 13.5578, 17.5100



12.5322, 13.5578, 11.4594

Square

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



13.8445, 13.5578, 17.5100



13.8131, 13.5578, 12.2420



11.9733, 13.5578, 12.3179



12.0019, 13.5578, 17.6064

Rectangle

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



13.8445, 13.5578, 17.5100



14.2250, 13.5578, 14.3801



11.9733, 13.5578, 12.3179



11.6343, 13.5578, 15.1509

Sweetspot

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



13.8449, 13.5584, 17.5103



27.1788, 28.0793, 31.9629



13.1987, 13.8263, 17.5961



6.2377, 6.4172, 7.3796



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.



13.8449, 13.5584, 17.5103



24.0265, 23.0730, 31.1627



14.2158, 13.7649, 16.8364



3.4194, 3.4045, 4.2311



6.9459, 3.1902, 17.9713



33.6896, 15.4220, 89.4802

Inverse Universe

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



13.8663, 13.6251, 14.9963



24.0819, 23.2246, 25.6091



13.5785, 15.4868, 14.9444



3.4229, 3.4169, 3.7535



8.0570, 4.1152, 2.1099



39.7896, 20.3612, 8.6904

Previews

White Background



This preview shows how the XYZ color 13.8445, 13.5578, 17.5100 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 13.8445, 13.5578, 17.5100 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 13.8445, 13.5578, 17.5100

Background



This preview shows how black text looks on a background with the XYZ color 13.8445, 13.5578, 17.5100.



This preview shows how white text looks on a background with the XYZ color 13.8445, 13.5578,

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

13.8445, 13.5578, 17.5100

Protanopia

13.1555, 13.4843, 17.8290

Deuteranopia

13.7221, 13.4947, 17.5043



Tritanopia

13.5983, 13.5996, 16.3763

Trichromacy



Original Color

13.8445, 13.5578, 17.5100

Protanomaly

13.3999, 13.4653, 17.8124

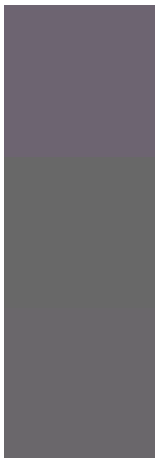
Deuteranomaly

13.7221, 13.4947, 17.5043

Tritanomaly

13.6525, 13.6213, 16.6615

Monochromacy



Original Color

13.8445, 13.5578, 17.5100

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.4479, 13.8262, 15.8699

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8445, 13.5578, 17.5100 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(109, 100, 113)` looks like.

```
.text, #text, p{  
    color:rgb(109, 100, 113)  
}
```

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(109, 100, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 100, 113) }
```

Border

The CSS property to change the border of an element to XYZ 13.8445, 13.5578, 17.5100 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(109, 100, 113) }
```


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

```
.border{ border-color:rgb(109, 100, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 100, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 100, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 100, 113);  
box-shadow:4px 4px 4px 4px rgb(109, 100,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8445, 13.5578, 17.5100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 100, 113) }
```

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

```
.background{ background-color: rgb(109,  
100, 113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor