

Converting Colors

XYZ(13.3724, 13.7595, 15.8886)

Have a look what the booklet for
XYZ(13.3724, 13.7595, 15.8886)
contains.

XYZ(13.3298, 13.7653, 15.8643)	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(13.3298, 13.7653,
15.8643)**

Conversions

Conversions Part 1

Format	Color
Hex	69676B
RGB	105, 103, 107
RGB Percent	41%, 40%, 42%
CMY	0.5882, 0.5961, 0.5804
CMYK	0.02, 0.04, 0.00, 0.58
HSL	270°, 2%, 41%
HSV	270°, 4%, 42%
XYZ	13.3298, 13.7653, 15.8643
YIQ	104.0540, -0.0920, 1.6680

Conversions

Conversions Part 2

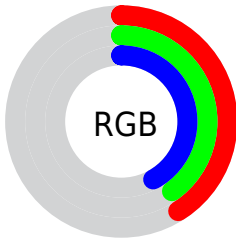
Format	Color
R_{YB}	105, 103, 107
Decimal	6907755
CIE Lab	43.89, 1.61, -1.97
CIE LCh	44, 2.548, 309.194
Yxy	13.7653, 0.3103, 0.3204
Android (android.graphics.Color)	4285097835 (0xFF69676B)
YUV	104.0540, 1.4524, 0.8296
Hunter-Lab	37.1016, -0.7967, 0.6193

Details

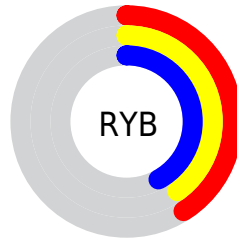
The XYZ color **13.3298, 13.7653, 15.8643** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5321, 14.4983, 14.9179**, and the grayscale version is **13.1691, 13.8550, 15.0881**.

A 20% lighter version of the original color is **31.4375, 32.6477, 36.9925**, and **3.9747, 4.0541, 4.8480** is the 20% darker color. If you saturate the color by 10%, you get **11.7241, 11.4577, 15.5037**, and if you desaturate by 10%, it is **15.1121, 16.3669, 16.2727**.

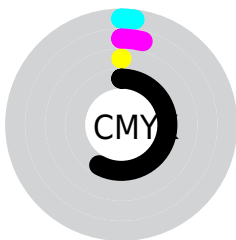
Distribution



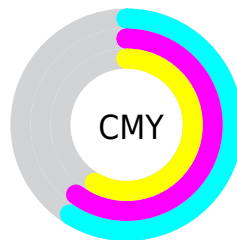
- Red (41%)
- Green (40%)
- Blue (42%)



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



- Cyan (2%)
- Magenta (4%)
- Yellow (0%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3298, 13.7653, 15.8643 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 13.3298, 13.7653, 15.8643 by changing the saturation by 10% instead.

■ 13.3298, 13.7653,
15.8643

■ 13.3298, 13.7653,
15.8643

206.6158,
215.7658, 240.3580

■ 7.7346, 7.9576,
9.2749

■ 31.4913, 32.6720,
37.1260

■ 3.9760, 4.0678,
4.8216

■ 44.7884, 46.5398,
52.6353

■ 1.6885, 1.7116,
2.0861

■ 61.3834, 63.8631,
71.9550

■ 0.4491, 0.4311,
0.6075

■ 81.6418, 85.0263,
95.5036

■ 0.0000, 0.0000,
0.0000

105.9288,
110.4138, 123.6996

134.6099,

140.4099, 156.9617

168.0505,
175.3991, 195.7083

■ 13.3298, 13.7653,
15.8643

■ 13.3298, 13.7653,
15.8643

■ 11.7241, 11.4577,
15.5037

■ 15.1121, 16.3669,
16.2727

■ 10.2879, 9.4318,
15.1884

■ 17.0754, 19.2708,
16.7298

■ 9.0155, 7.6768,
14.9167

■ 19.2253, 22.4873,
17.2373

■ 7.9002, 6.1806,
14.6867

■ 21.5670, 26.0254,
17.7968

■ 6.9350, 4.9303,
14.4962

■ 24.1053, 29.8939,
18.4097

6.1122, 3.9118,
14.3430

26.8449, 34.1014,
19.0774

5.4233, 3.1093,
14.2244

29.7903, 38.6558,
19.8013

4.8588, 2.5052,
14.1375

32.9459, 43.5651,
20.5826

4.4045, 2.0720,
14.0779

36.3159, 48.8368,
21.4225

Harmonies

Analogous

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



13.1455, 13.7653, 16.1100



13.3298, 13.7653, 15.8643



13.4489, 13.7653, 15.3855

Triad

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



13.3298, 13.7653, 15.8643



13.2216, 13.7653, 13.9749



12.7049, 13.7653, 15.1660

Complementary

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



13.3298, 13.7653, 15.8643



13.5321, 14.4983, 14.9179

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.



12.7248, 13.7653, 14.5975



13.3298, 13.7653, 15.8643



13.0217, 13.7653, 13.9195

Square

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



13.3298, 13.7653, 15.8643



13.3860, 13.7653, 14.2980



12.8403, 13.7653, 14.1447



12.7856, 13.7653, 15.7000

Rectangle

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



13.3298, 13.7653, 15.8643



13.4746, 13.7653, 15.0037



12.8403, 13.7653, 14.1447



12.7000, 13.7653, 14.9725

Sweetspot

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



13.3302, 13.7659, 15.8646



24.7019, 25.8582, 28.5969



13.3062, 14.0623, 15.9231



5.9852, 6.2679, 6.9231



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.



13.3302, 13.7659, 15.8646



23.7554, 24.4845, 28.3816



13.5599, 13.8843, 15.8753



3.2606, 3.3543, 3.9105



5.0102, 2.2099, 17.0847



24.5273, 10.7439, 87.0073

Inverse Universe

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



13.4639, 13.8468, 15.3283



24.0187, 24.6438, 27.3258



13.3075, 14.3825, 14.9074



3.3002, 3.3782, 3.7520



8.1574, 4.1151, 4.4575



41.1269, 20.7927, 20.4030

Previews

White Background



This preview shows how the XYZ color 13.3298, 13.7653, 15.8643 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 13.3298, 13.7653, 15.8643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

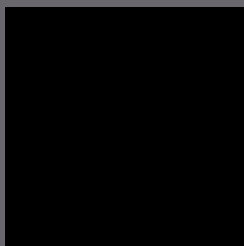
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

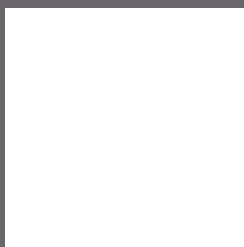
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3298, 13.7653, 15.8643

Background



This preview shows how black text looks on a background with the XYZ color 13.3298, 13.7653, 15.8643.



This preview shows how white text looks on a background with the XYZ color 13.3298, 13.7653,

15.8643.

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

13.3298, 13.7653, 15.8643

Protanopia

13.3298, 13.7653, 15.8643

Deuteranopia

13.9896, 13.8136, 15.8389



Tritanopia

13.5645, 13.7146, 16.9712

Trichromacy

**Original Color**

13.3298, 13.7653, 15.8643

Protanomaly

13.3298, 13.7653, 15.8643

Deuteranomaly

13.7119, 13.8155, 15.8539

Tritanomaly

13.5097, 13.6927, 16.6828

Monochromacy

**Original Color**

13.3298, 13.7653, 15.8643

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 13.3298, 13.7653, 15.8643 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(105, 103, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 103, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.3298, 13.7653, 15.8643 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, 107) }
```


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

```
.border{ border-color:rgb(105, 103, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 103, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 103, 107);  
box-shadow:4px 4px 4px 4px rgb(105, 103,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3298, 13.7653, 15.8643 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, 107) }
```

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

```
.background{ background-color: rgb(105,  
103, 107) }
```

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