

Converting Colors

XYZ(13.7456, 14.6596, 15.6225)

Have a look what the booklet for
XYZ(13.7456, 14.6596, 15.6225)
contains.

XYZ(13.6849, 14.5593, 15.7246)	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(13.6849, 14.5593,
15.7246)**

Conversions

Conversions Part 1

Format	Color
Hex	696B6A
RGB	105, 107, 106
RGB Percent	41%, 42%, 42%
CMY	0.5882, 0.5804, 0.5843
CMYK	0.02, 0.00, 0.01, 0.58
HSL	150°, 1%, 42%
HSV	150°, 2%, 42%
XYZ	13.6849, 14.5593, 15.7246
YIQ	106.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

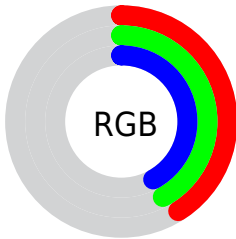
Format	Color
R_{YB}	105, 106, 107
Decimal	6908778
CIE Lab	45.02, -0.97, 0.28
CIE LCh	45, 1.015, 163.759
Yxy	14.5593, 0.3112, 0.3311
Android (android.graphics.Color)	4285098858 (0xFF696B6A)
YUV	106.2880, -0.1420, -1.1296
Hunter-Lab	38.1567, -2.7550, 2.2759

Details

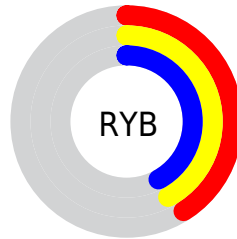
The XYZ color **13.6849, 14.5593, 15.7246** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7170, 14.2699, 15.6678**, and the grayscale version is **13.7795, 14.4971, 15.7874**.

A 20% lighter version of the original color is **32.0230, 33.9560, 36.7647**, and **4.1502, 4.4470, 4.7773** is the 20% darker color. If you saturate the color by 10%, you get **12.2366, 13.8442, 14.2483**, and if you desaturate by 10%, it is **15.3096, 15.3641, 17.3006**.

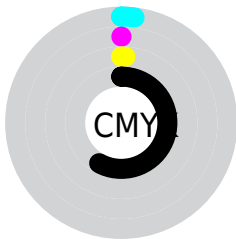
Distribution



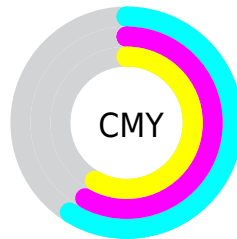
- Red (41%)
- Green (42%)
- Blue (42%)



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



- Cyan (2%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6849, 14.5593, 15.7246 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 13.6849, 14.5593, 15.7246 by changing the saturation by 10% instead.

■ 13.6849, 14.5593,
15.7246

■ 13.6849, 14.5593,
15.7246

208.8118,
220.6830, 239.5011

■ 7.9821, 8.5107,
9.1772

■ 32.1198, 34.0782,
36.8795

■ 4.1352, 4.4234,
4.7586

■ 45.5826, 48.3172,
52.3242

■ 1.7789, 1.9131,
2.0501

■ 62.3628, 66.0552,
71.5717

■ 0.5049, 0.5563,
0.5858

■ 82.8257, 87.6766,
95.0407

■ 0.0000, 0.0000,
0.0000

107.3367,
113.5656, 123.1495

136.2612,

144.1068, 156.3168

169.9644,
179.6845, 194.9612

■ 13.6849, 14.5593,
15.7246

■ 13.6849, 14.5593,
15.7246

■ 12.2366, 13.8442,
14.2483

■ 15.3096, 15.3641,
17.3006

■ 10.9572, 13.2139,
12.8687

■ 17.1154, 16.2598,
18.9772

■ 9.8407, 12.6656,
11.5843

■ 19.1082, 17.2498,
20.7566

■ 8.8801, 12.1958,
10.3929

■ 21.2933, 18.3368,
22.6404

■ 8.0680, 11.8006,
9.2924

■ 23.6758, 19.5235,
24.6305

■ 7.3960, 11.4759,
8.2805

■ 26.2607, 20.8123,
26.7285

■ 6.8554, 11.2172,
7.3550

■ 29.0528, 22.2056,
28.9361

■ 6.4360, 11.0191,
6.5134

■ 32.0565, 23.7059,
31.2548

■ 6.1256, 10.8756,
5.7529

■ 35.2764, 25.3153,
33.6863

Harmonies

Analogous

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



13.7276, 14.5593, 15.5235



13.6849, 14.5593, 15.7246



13.6831, 14.5593, 15.9620

Triad

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



13.6849, 14.5593, 15.7246



13.8763, 14.5593, 16.3025



13.9542, 14.5593, 15.5373

Complementary

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



13.6849, 14.5593, 15.7246



13.7170, 14.2699, 15.6678

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.



13.9944, 14.5593, 15.7437



13.6849, 14.5593, 15.7246



13.9493, 14.5593, 16.1864

Square

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



13.6849, 14.5593, 15.7246



13.7934, 14.5593, 16.2973



13.9926, 14.5593, 15.9813



13.8830, 14.5593, 15.4161

Rectangle

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



13.6849, 14.5593, 15.7246



13.7054, 14.5593, 16.1090



13.9926, 14.5593, 15.9813



13.9718, 14.5593, 15.5989

Sweetspot

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



13.6853, 14.5599, 15.7249



24.7370, 26.1853, 28.3871



13.7559, 14.6023, 15.4582



5.9930, 6.3408, 6.8764



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.



13.6853, 14.5599, 15.7249



24.4533, 26.0450, 28.1055



13.7360, 14.5802, 15.9918



3.3822, 3.5967, 3.8858



7.1752, 13.1042, 6.2336



36.1221, 66.5959, 29.4534

Inverse Universe

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



13.7170, 14.2699, 15.6678



24.5156, 25.4750, 27.9933



13.6669, 14.2498, 15.4039



3.3897, 3.5280, 3.8723



8.1584, 4.1155, 4.4625



41.1317, 20.7946, 20.4281

Previews

White Background



This preview shows how the XYZ color 13.6849, 14.5593, 15.7246 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 13.6849, 14.5593, 15.7246 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

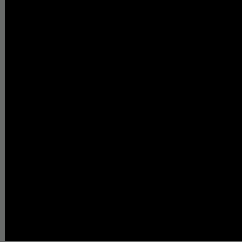
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.6849, 14.5593, 15.7246

Background



This preview shows how black text looks on a background with the XYZ color 13.6849, 14.5593, 15.7246.



This preview shows how white text looks on a background with the XYZ color 13.6849, 14.5593,

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

13.6849, 14.5593, 15.7246

Protanopia

14.0105, 14.5792, 15.4402

Deuteranopia

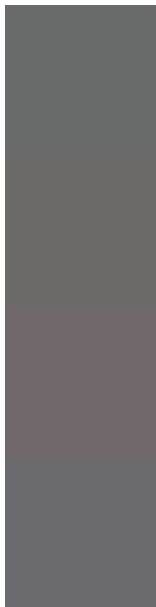
14.7065, 14.4750, 15.9288



Tritanopia

14.1352, 14.5871, 17.9902

Trichromacy



Original Color

13.6849, 14.5593, 15.7246

Protanomaly

13.8882, 14.5161, 15.4345

Deuteranomaly

14.2862, 14.4069, 15.9378

Tritanomaly

13.9671, 14.5199, 17.1054

Monochromacy



Original Color

13.6849, 14.5593, 15.7246

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6994, 14.4128, 15.6956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6849, 14.5593, 15.7246 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, 107, 106)` looks like.

```
.text, #text, p{  
    color:rgb(105, 107, 106)  
}
```

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, 107, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 107, 106) }
```

Border

The CSS property to change the border of an element to XYZ 13.6849, 14.5593, 15.7246 is called "border". The border property can be set on classes, ids or directly on the HTML element.

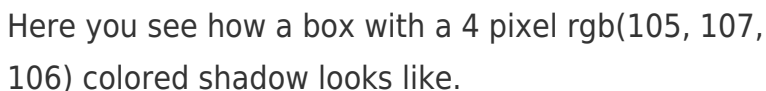
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 107, 106) }
```


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

```
.border{ border-color:rgb(105, 107, 106) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 107, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 107, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 107, 106);  
box-shadow:4px 4px 4px 4px rgb(105, 107,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6849, 14.5593, 15.7246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 107, 106) }
```

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

```
.background{ background-color: rgb(105,  
107, 106) }
```

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