

Converting Colors

XYZ(13.3256, 13.5292, 17.2015)

Have a look what the booklet for
XYZ(13.3256, 13.5292, 17.2015)
contains.

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Color

**XYZ(13.3849, 13.6157,
17.2519)**

Conversions

Conversions Part 1

Format	Color
Hex	686670
RGB	104, 102, 112
RGB Percent	41%, 40%, 44%
CMY	0.5922, 0.6000, 0.5608
CMYK	0.07, 0.09, 0.00, 0.56
HSL	252°, 5%, 42%
HSV	252°, 9%, 44%
XYZ	13.3849, 13.6157, 17.2519
YIQ	103.7380, -2.0180, 3.5340

Conversions

Conversions Part 2

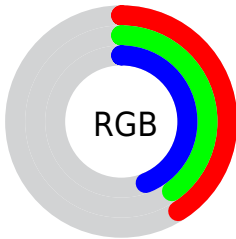
Format	Color
R_{YB}	104, 102, 112
Decimal	6841968
CIE Lab	43.68, 2.91, -5.33
CIE LCh	44, 6.073, 298.587
Yxy	13.6157, 0.3025, 0.3077
Android (android.graphics.Color)	4285032048 (0xFF686670)
YUV	103.7380, 4.0732, 0.2298
Hunter-Lab	36.8995, 0.1750, -1.8907

Details

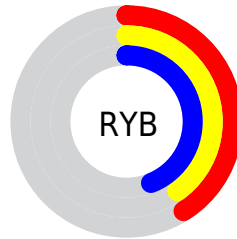
The XYZ color **13.3849, 13.6157, 17.2519** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6235, 15.8631, 14.8623**, and the grayscale version is **13.0783, 13.7594, 14.9840**.

A 20% lighter version of the original color is **31.6096, 32.4314, 39.7158**, and **3.9789, 3.9724, 5.4075** is the 20% darker color. If you saturate the color by 10%, you get **11.3722, 11.0533, 16.8636**, and if you desaturate by 10%, it is **15.6578, 16.5337, 17.6956**.

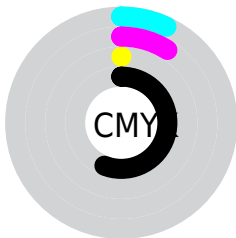
Distribution



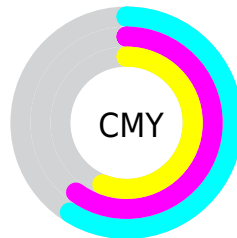
- Red (41%)
- Green (40%)
- Blue (44%)



- Red (41%)
- Yellow (40%)
- Blue (44%)



- Cyan (7%)
- Magenta (9%)
- Yellow (0%)
- Black (56%)



- Cyan (59%)
- Magenta (60%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3849, 13.6157, 17.2519 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 13.3849, 13.6157, 17.2519 by changing the saturation by 10% instead.

■ 13.3849, 13.6157,
17.2519

■ 13.3849, 13.6157,
17.2519

206.9580,
214.8268, 248.7128

■ 7.7729, 7.8539,
10.2504

■ 31.5890, 32.4056,
39.5549

■ 4.0006, 4.0016,
5.4575

■ 44.9119, 46.2024,
55.6936

■ 1.7025, 1.6744,
2.4547

■ 61.5358, 63.4464,
75.7150

■ 0.4578, 0.4070,
0.8160

■ 81.8261, 84.5218,
100.0377

■ 0.0000, 0.0000,
0.0000

106.1481,
109.8132, 129.0803

134.8672,

139.7049, 163.2613

168.3487,
174.5813, 202.9993

■ 13.3849, 13.6157,
17.2519

■ 13.3849, 13.6157,
17.2519

■ 11.3722, 11.0533,
16.8636

■ 15.6578, 16.5337,
17.6956

■ 9.6090, 8.8312,
16.5276

■ 18.1984, 19.8186,
18.1957

■ 8.0859, 6.9355,
16.2420

■ 21.0158, 23.4830,
18.7545

■ 6.7922, 5.3506,
16.0042

■ 24.1179, 27.5387,
19.3738

■ 5.7165, 4.0596,
15.8118

■ 27.5125, 31.9968,
20.0554

■ 4.8464, 3.0442,
15.6616

■ 31.2070, 36.8680,
20.8009

■ 4.1681, 2.2837,
15.5506

■ 35.2086, 42.1626,
21.6120

■ 3.6661, 1.7546,
15.4749

■ 39.5243, 47.8906,
22.4901

■ 3.2989, 1.3821,
15.4224

■ 44.1608, 54.0616,
23.4369

Harmonies

Analogous

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



12.9187, 13.6157, 17.6075



13.3849, 13.6157, 17.2519



13.7395, 13.6157, 16.2360

Triad

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



13.3849, 13.6157, 17.2519



13.4250, 13.6157, 12.6957



12.0464, 13.6157, 14.7605

Complementary

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



13.3849, 13.6157, 17.2519



14.6235, 15.8631, 14.8623

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.



12.1747, 13.6157, 13.4986



13.3849, 13.6157, 17.2519



12.9639, 13.6157, 12.3526

Square

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



13.3849, 13.6157, 17.2519



13.7630, 13.6157, 13.6042



12.5076, 13.6157, 12.6374



12.1530, 13.6157, 16.1171

Rectangle

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



13.3849, 13.6157, 17.2519



13.8608, 13.6157, 15.3507



12.5076, 13.6157, 12.6374



12.0634, 13.6157, 14.3118

Sweetspot

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



13.3853, 13.6163, 17.2522



25.7926, 26.8403, 30.7511



13.9986, 15.1830, 17.5223



6.1286, 6.3609, 7.3745



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.



13.3853, 13.6163, 17.2522



22.6387, 22.8015, 30.1377



13.9627, 13.9139, 17.2792



3.2741, 3.3296, 4.2243



3.7564, 1.5459, 17.8220



18.1293, 7.4004, 88.7520

Inverse Universe

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



14.2485, 14.0740, 16.7184



24.5310, 23.8052, 28.9545



14.0383, 15.5614, 14.8349



3.4872, 3.4426, 4.0925



9.8320, 4.8252, 11.4570



48.6669, 23.9121, 55.4373

Previews

White Background



This preview shows how the XYZ color 13.3849, 13.6157, 17.2519 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 13.3849, 13.6157, 17.2519 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

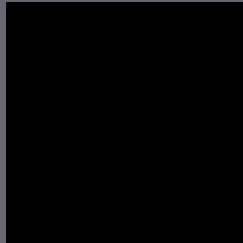
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

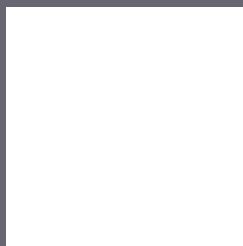
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3849, 13.6157, 17.2519

Background



This preview shows how black text looks on a background with the XYZ color 13.3849, 13.6157, 17.2519.



This preview shows how white text looks on a background with the XYZ color 13.3849, 13.6157,

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

13.3849, 13.6157, 17.2519

Protanopia

13.1555, 13.4974, 17.2411

Deuteranopia

13.7885, 13.5354, 17.2151



Tritanopia

13.2748, 13.5716, 16.6718

Trichromacy

**Original Color**

13.3849, 13.6157, 17.2519

Protanomaly

13.2695, 13.5562, 17.2465

Deuteranomaly

13.6417, 13.6030, 17.2359

Tritanomaly

13.3295, 13.5935, 16.9602

Monochromacy

**Original Color**

13.3849, 13.6157, 17.2519

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.2130, 13.7051, 15.8589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3849, 13.6157, 17.2519 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(104, 102, 112)` looks like.

```
.text, #text, p{  
    color:rgb(104, 102, 112)  
}
```

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(104, 102, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 102, 112) }
```

Border

The CSS property to change the border of an element to XYZ 13.3849, 13.6157, 17.2519 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(104, 102, 112) }
```


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

```
.border{ border-color:rgb(104, 102, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 102, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 102, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 102, 112);  
box-shadow:4px 4px 4px 4px rgb(104, 102,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3849, 13.6157, 17.2519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 102, 112) }
```

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

```
.background{ background-color: rgb(104,  
102, 112) }
```

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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