

Converting Colors

XYZ(13.8459, 15.2344, 16.2393)

Have a look what the booklet for
XYZ(13.8459, 15.2344, 16.2393)
contains.

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Color

**XYZ(13.8178, 15.2552,
16.1262)**

Conversions

Conversions Part 1

Format	Color
Hex	666F6B
RGB	102, 111, 107
RGB Percent	40%, 44%, 42%
CMY	0.6000, 0.5647, 0.5804
CMYK	0.08, 0.00, 0.04, 0.56
HSL	153°, 4%, 42%
HSV	153°, 8%, 44%
XYZ	13.8178, 15.2552, 16.1262
YIQ	107.8530, -4.0800, -3.1520

Conversions

Conversions Part 2

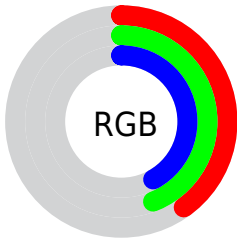
Format	Color
R_{YB}	102, 108, 111
Decimal	6713195
CIE Lab	45.98, -4.25, 1.05
CIE LCh	46, 4.382, 166.157
Yxy	15.2552, 0.3057, 0.3375
Android (android.graphics.Color)	4284903275 (0xFF666F6B)
YUV	107.8530, -0.4205, -5.1331
Hunter-Lab	39.0579, -5.2021, 2.8609

Details

The XYZ color **13.8178, 15.2552, 16.1262** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9090, 13.9233, 15.5908**, and the grayscale version is **14.2150, 14.9553, 16.2863**.

A 20% lighter version of the original color is **32.4056, 35.4353, 37.4795**, and **4.1687, 4.6935, 4.9612** is the 20% darker color. If you saturate the color by 10%, you get **12.3909, 14.5492, 14.7428**, and if you desaturate by 10%, it is **15.4289, 16.0553, 17.5962**.

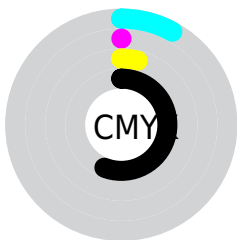
Distribution



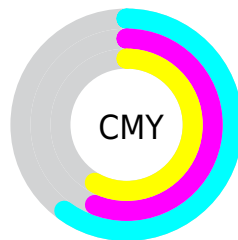
- Red (40%)
- Green (44%)
- Blue (42%)



- Red (40%)
- Yellow (42%)
- Blue (44%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8178, 15.2552, 16.1262 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 13.8178, 15.2552, 16.1262 by changing the saturation by 10% instead.

■ 13.8178, 15.2552,
16.1262

■ 13.8178, 15.2552,
16.1262

209.6278,
224.9057, 241.9563

■ 8.0749, 8.9987,
9.4582

■ 32.3544, 35.3003,
37.5870

■ 4.1951, 4.7403,
4.9404

■ 45.8787, 49.8576,
53.2168

■ 1.8131, 2.0957,
2.1542

■ 62.7277, 67.9507,
72.6710

■ 0.5255, 0.6622,
0.6477

■ 83.2665, 89.9638,
96.3681

■ 0.0000, 0.0000,
0.0000

107.8605,
116.2815, 124.7267

136.8752,

147.2882, 158.1652

170.6758,
183.3681, 197.1022

■ 13.8178, 15.2552,
16.1262

■ 13.8178, 15.2552,
16.1262

■ 12.3909, 14.5492,
14.7428

■ 15.4289, 16.0553,
17.5962

■ 11.1400, 13.9318,
13.4434

■ 17.2293, 16.9509,
19.1535

■ 10.0581, 13.3999,
12.2266

■ 19.2258, 17.9457,
20.7997

■ 9.1375, 12.9495,
11.0909

■ 21.4242, 19.0429,
22.5364

■ 8.3696, 12.5762,
10.0344

■ 23.8302, 20.2452,
24.3650

■ 7.7449, 12.2752,
9.0552

■ 26.4492, 21.5555,
26.2869

■ 7.2533, 12.0412,
8.1513

■ 29.2864, 22.9765,
28.3035

■ 6.8825, 11.8681,
7.3208

■ 32.3468, 24.5106,
30.4160

■ 6.5967, 11.7373,
6.5603

■ 35.6353, 26.1604,
32.6259

Harmonies

Analogous

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



13.9911, 15.2552, 15.2347



13.8178, 15.2552, 16.1262



13.8250, 15.2552, 17.1855

Triad

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



13.8178, 15.2552, 16.1262



14.6991, 15.2552, 18.6514



14.9995, 15.2552, 15.1797

Complementary

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



13.8178, 15.2552, 16.1262



13.9090, 13.9233, 15.5908

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.



15.1958, 15.2552, 16.0481



13.8178, 15.2552, 16.1262



15.0203, 15.2552, 18.0663

Square

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



13.8178, 15.2552, 16.1262



14.3296, 15.2552, 18.6745



15.2035, 15.2552, 17.1040



14.6710, 15.2552, 14.7042

Rectangle

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



13.8178, 15.2552, 16.1262



13.9311, 15.2552, 17.8454



15.2035, 15.2552, 17.1040



15.0834, 15.2552, 15.4336

Sweetspot

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



13.8182, 15.2558, 16.1265



26.4489, 28.1634, 30.4507



14.0331, 15.3961, 14.8028



6.3655, 6.7717, 7.3259



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.



13.8182, 15.2558, 16.1265



24.1624, 27.0293, 28.3270



13.9847, 15.2441, 17.2450



3.4153, 3.7913, 3.9935



7.6987, 13.7970, 7.5000



37.9111, 68.5531, 35.0468

Inverse Universe

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



13.9090, 13.9233, 15.5908



24.3655, 24.0486, 27.1288



13.7500, 13.9307, 14.5349



3.4404, 3.4239, 3.8458



8.3740, 4.2420, 3.7796



41.2938, 20.9628, 16.6110

Previews

White Background



This preview shows how the XYZ color 13.8178, 15.2552, 16.1262 looks on a white background.

Color Contrast Check

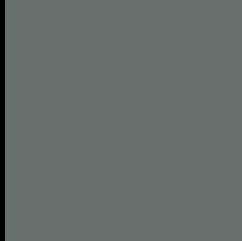
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.8178, 15.2552, 16.1262 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

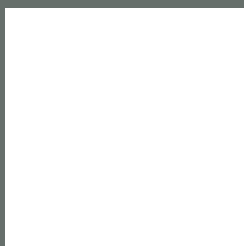
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8178, 15.2552, 16.1262

Background



This preview shows how black text looks on a background with the XYZ color 13.8178, 15.2552, 16.1262.



This preview shows how white text looks on a background with the XYZ color 13.8178, 15.2552,

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

13.8178, 15.2552, 16.1262

Protanopia

14.4679, 15.1246, 15.5214

Deuteranopia

15.3661, 15.1078, 16.2936



Tritanopia

14.4476, 15.1883, 19.3097

Trichromacy



Original Color

13.8178, 15.2552, 16.1262

Protanomaly

14.2545, 15.1660, 15.8117

Deuteranomaly

14.7745, 15.1088, 16.3249

Tritanomaly

14.2067, 15.2503, 18.1144

Monochromacy



Original Color

13.8178, 15.2552, 16.1262

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.1193, 15.0842, 16.3547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8178, 15.2552, 16.1262 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(102, 111, 107)` looks like.

```
.text, #text, p{  
    color:rgb(102, 111, 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(102, 111, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 111, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.8178, 15.2552, 16.1262 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(102, 111, 107) }
```


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

```
.border{ border-color:rgb(102, 111, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 111, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 111, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 111, 107);  
box-shadow:4px 4px 4px 4px rgb(102, 111,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8178, 15.2552, 16.1262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 111, 107) }
```

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

```
.background{ background-color: rgb(102,  
111, 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](#).

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