

Converting Colors

XYZ(13.8155, 15.4005, 18.3888)

Have a look what the booklet for
XYZ(13.8155, 15.4005, 18.3888)
contains.

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Color

**XYZ(13.8184, 15.3675,
18.4576)**

Conversions

Conversions Part 1

Format	Color
Hex	617073
RGB	97, 112, 115
RGB Percent	38%, 44%, 45%
CMY	0.6196, 0.5608, 0.5490
CMYK	0.16, 0.03, 0.00, 0.55
HSL	190°, 8%, 42%
HSV	190°, 16%, 45%
XYZ	13.8184, 15.3675, 18.4576
YIQ	107.8570, -9.9030, -2.2470

Conversions

Conversions Part 2

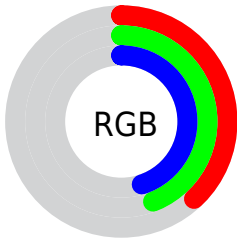
Format	Color
R_{YB}	97, 105, 115
Decimal	6385779
CIE _{Lab}	46.13, -4.91, -3.56
CIE _{LCh}	46, 6.062, 215.983
Yxy	15.3675, 0.2900, 0.3226
Android (android.graphics.Color)	4284575859 (0xFF617073)
YUV	107.8570, 3.5215, -9.5216
Hunter-Lab	39.2014, -5.6816, -0.4751

Details

The XYZ color **13.8184, 15.3675, 18.4576** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.7851, 13.6222, 13.2122**, and the grayscale version is **14.2066, 14.9464, 16.2766**.

A 20% lighter version of the original color is **32.4633, 35.6368, 41.7268**, and **4.1619, 4.7501, 6.0077** is the 20% darker color. If you saturate the color by 10%, you get **12.4718, 14.3632, 18.3350**, and if you desaturate by 10%, it is **15.3481, 16.4736, 18.5907**.

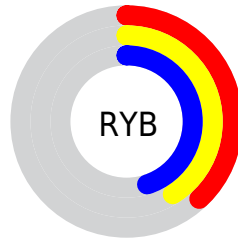
Distribution



Red (38%)

Green (44%)

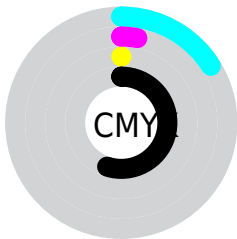
Blue (45%)



Red (38%)

Yellow (41%)

Blue (45%)

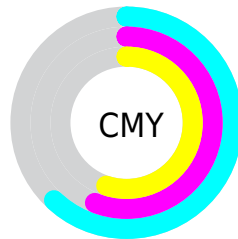


Cyan (16%)

Magenta (3%)

Yellow (0%)

Black (55%)



Cyan (62%)

Magenta (56%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8184, 15.3675, 18.4576 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 13.8184, 15.3675, 18.4576 by changing the saturation by 10% instead.

■ 13.8184, 15.3675,
18.4576

■ 13.8184, 15.3675,
18.4576

209.6314,
225.5799, 255.7600

■ 8.0753, 9.0777,
11.1062

■ 32.3554, 35.4966,
41.6400

■ 4.1954, 4.7919,
6.0232

■ 45.8801, 50.1047,
58.3080

■ 1.8133, 2.1257,
2.7902

■ 62.7293, 68.2544,
78.9186

■ 0.5256, 0.6790,
0.9885

■ 83.2685, 90.3300,
103.8904

■ 0.0000, 0.0000,
0.0000

107.8629,
116.7160, 133.6419

136.8780,

147.7967, 168.5916

170.6790,
183.9566, 209.1581

■ 13.8184, 15.3675,
18.4576

■ 13.8184, 15.3675,
18.4576

■ 12.4718, 14.3632,
18.3350

■ 15.3481, 16.4736,
18.5907

■ 11.2993, 13.4550,
18.2215

■ 17.0667, 17.6835,
18.7337

■ 10.2931, 12.6390,
18.1170

■ 18.9814, 19.0012,
18.8871

■ 9.4444, 11.9108,
18.0212

■ 21.0987, 20.4301,
19.0513

■ 8.7435, 11.2653,
17.9335

■ 23.4248, 21.9735,
19.2266

■ 8.1796, 10.6969,
17.8535

■ 25.9654, 23.6344,
19.4133

■ 7.7403, 10.1992,
17.7806

■ 28.7263, 25.4157,
19.6116

■ 7.4021, 9.7599,
17.7137

■ 31.7130, 27.3204,
19.8218

■ 7.2632, 9.5752,
17.6853

■ 34.9305, 29.3511,
20.0442

Harmonies

Analogous

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



13.6420, 15.3675, 17.0304



13.8184, 15.3675, 18.4576



14.2064, 15.3675, 19.4636

Triad

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



13.8184, 15.3675, 18.4576



15.5311, 15.3675, 17.9155



14.5032, 15.3675, 14.0636

Complementary

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



13.8184, 15.3675, 18.4576



13.7851, 13.6222, 13.2122

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.



15.0137, 15.3675, 14.2698



13.8184, 15.3675, 18.4576



15.6151, 15.3675, 16.4383

Square

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



13.8184, 15.3675, 18.4576



15.1969, 15.3675, 19.1379



15.4237, 15.3675, 15.1186



14.0313, 15.3675, 14.5378

Rectangle

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



13.8184, 15.3675, 18.4576



14.5370, 15.3675, 19.7290



15.4237, 15.3675, 15.1186



14.6759, 15.3675, 14.0560

Sweetspot

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



13.8188, 15.3681, 18.4579



27.6351, 29.6070, 33.3027



13.3465, 15.7174, 14.3111



6.5540, 7.0355, 7.9415



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.8188, 15.3681, 18.4579



23.7791, 26.8060, 32.9653



12.9046, 13.5397, 18.1532



3.7339, 4.0565, 4.6764



8.2901, 10.9200, 20.2134



39.8619, 52.1404, 98.3235

Inverse Universe

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



14.2699, 13.3643, 17.1574



24.7676, 22.4783, 30.1005



14.6648, 15.3815, 13.5054



3.8017, 3.7480, 4.4826



10.4816, 5.1264, 13.0102



50.8072, 24.8730, 61.9734

Previews

White Background



This preview shows how the XYZ color 13.8184, 15.3675, 18.4576 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 13.8184, 15.3675, 18.4576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

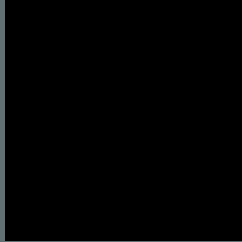
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

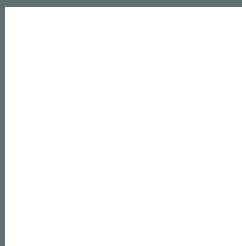
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8184, 15.3675, 18.4576

Background



This preview shows how black text looks on a background with the XYZ color 13.8184, 15.3675, 18.4576.



This preview shows how white text looks on a background with the XYZ color 13.8184, 15.3675,

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

13.8184, 15.3675, 18.4576

Protanopia

14.7736, 15.2324, 17.7843

Deuteranopia

15.5089, 15.2820, 18.6553



Tritanopia

14.1116, 15.3216, 19.9829

Trichromacy



Original Color

13.8184, 15.3675, 18.4576

Protanomaly

14.3316, 15.1554, 18.0895

Deuteranomaly

14.8216, 15.2373, 18.6829

Tritanomaly

13.9915, 15.2736, 19.3502

Monochromacy



Original Color

13.8184, 15.3675, 18.4576

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.0468, 15.0280, 17.1993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8184, 15.3675, 18.4576 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(97, 112, 115) looks like.

```
.text, #text, p{  
    color:rgb(97, 112, 115)  
}
```

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(97, 112, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 112, 115) }
```

Border

The CSS property to change the border of an element to XYZ 13.8184, 15.3675, 18.4576 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(97, 112, 115) }
```


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

```
.border{ border-color:rgb(97, 112, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 112, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 112, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 112, 115);  
box-shadow:4px 4px 4px 4px rgb(97, 112,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8184, 15.3675, 18.4576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 112, 115) }
```

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

```
.background{ background-color: rgb(97, 112,  
115) }
```

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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