

Converting Colors

XYZ(13.3631, 14.6148, 17.9056)

Have a look what the booklet for
XYZ(13.3631, 14.6148, 17.9056)
contains.

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Color

**XYZ(13.4357, 14.6936,
18.0476)**

Conversions

Conversions Part 1

Format	Color
Hex	616D72
RGB	97, 109, 114
RGB Percent	38%, 43%, 45%
CMY	0.6196, 0.5725, 0.5529
CMYK	0.15, 0.04, 0.00, 0.55
HSL	198°, 8%, 41%
HSV	198°, 15%, 45%
XYZ	13.4357, 14.6936, 18.0476
YIQ	105.9820, -8.7570, -0.9890

Conversions

Conversions Part 2

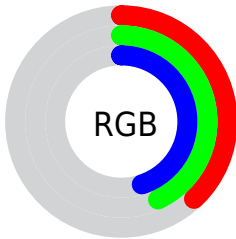
Format	Color
R_{YB}	97, 104, 114
Decimal	6385010
CIE _{Lab}	45.21, -3.38, -4.33
CIE _{LCh}	45, 5.490, 231.981
Yxy	14.6936, 0.2910, 0.3182
Android (android.graphics.Color)	4284575090 (0xFF616D72)
YUV	105.9820, 3.9529, -7.8772
Hunter-Lab	38.3322, -4.5160, -1.0824

Details

The XYZ color **13.4357, 14.6936, 18.0476** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.8486, 13.9432, 13.2710**, and the grayscale version is **13.6863, 14.3990, 15.6805**.

A 20% lighter version of the original color is **31.6665, 34.1907, 41.0069**, and **4.0214, 4.5167, 5.8141** is the 20% darker color. If you saturate the color by 10%, you get **11.9566, 13.4107, 17.8782**, and if you desaturate by 10%, it is **15.1039, 16.0950, 18.2304**.

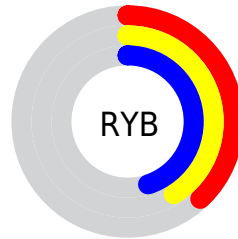
Distribution



Red (38%)

Green (43%)

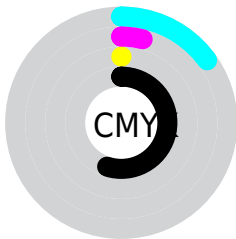
Blue (45%)



Red (38%)

Yellow (41%)

Blue (45%)

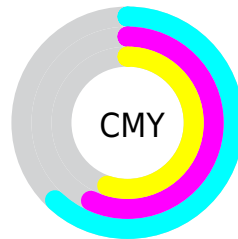


Cyan (15%)

Magenta (4%)

Yellow (0%)

Black (55%)



Cyan (62%)

Magenta (57%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4357, 14.6936, 18.0476 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 13.4357, 14.6936, 18.0476 by changing the saturation by 10% instead.

■ 13.4357, 14.6936,
18.0476

■ 13.4357, 14.6936,
18.0476

207.2731,
221.5041, 253.3843

■ 7.8083, 8.6046,
10.8144

■ 31.6790, 34.3148,
40.9335

■ 4.0233, 4.4842,
5.8296

■ 45.0257, 48.6157,
57.4232

■ 1.7153, 1.9479,
2.6746

■ 61.6762, 66.4228,
77.8354

■ 0.4658, 0.5770,
0.9306

■ 81.9958, 88.1205,
102.5888

■ 0.0000, 0.0000,
0.0000

106.3500,
114.0930, 132.1019

135.1040,

144.7249, 166.7931

168.6233,
180.4004, 207.0811

■ 13.4357, 14.6936,
18.0476

■ 13.4357, 14.6936,
18.0476

■ 11.9566, 13.4107,
17.8782

■ 15.1039, 16.0950,
18.2304

■ 10.6577, 12.2404,
17.7207

■ 16.9671, 17.6170,
18.4260

■ 9.5313, 11.1788,
17.5752

■ 19.0324, 19.2638,
18.6350

■ 8.5689, 10.2212,
17.4411

■ 21.3062, 21.0391,
18.8578

■ 7.7607, 9.3625,
17.3179

■ 23.7945, 22.9460,
19.0947

7.0961, 8.5970,
17.2052

26.5033, 24.9879,
19.3461

6.5632, 7.9182,
17.1023

29.4382, 27.1679,
19.6122

6.1414, 7.3153,
17.0081

32.6046, 29.4890,
19.8933

5.9414, 7.0231,
16.9623

36.0078, 31.9539,
20.1897

Harmonies

Analogous

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



13.1729, 14.6936, 16.9517



13.4357, 14.6936, 18.0476



13.8446, 14.6936, 18.6008

Triad

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



13.4357, 14.6936, 18.0476



14.8470, 14.6936, 16.3497



13.6420, 14.6936, 13.7934

Complementary

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



13.4357, 14.6936, 18.0476



13.8486, 13.9432, 13.2710

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.



14.0878, 14.6936, 13.6516



13.4357, 14.6936, 18.0476



14.7900, 14.6936, 15.0823

Square

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



13.4357, 14.6936, 18.0476



14.6640, 14.6936, 17.5865



14.5097, 14.6936, 14.1113



13.2902, 14.6936, 14.5097

Rectangle

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



13.4357, 14.6936, 18.0476



14.1476, 14.6936, 18.5677



14.5097, 14.6936, 14.1113



13.7856, 14.6936, 13.6785

Sweetspot

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



13.4361, 14.6942, 18.0479



26.7936, 28.4916, 32.0627



13.3366, 15.5320, 14.8181



6.1519, 6.5523, 7.4102



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.



13.4361, 14.6942, 18.0479



22.6502, 24.9974, 31.6067



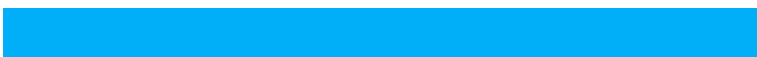
12.5903, 13.0026, 17.7660



3.3962, 3.6576, 4.2812



6.5991, 7.7884, 18.8771



32.0994, 37.2506, 93.7774

Inverse Universe

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



13.9748, 13.2313, 16.2861



23.8048, 21.9246, 27.8162



14.7075, 15.6611, 13.5573



3.4746, 3.4376, 4.0261



9.3492, 4.6321, 8.9149



46.1822, 22.9182, 42.3534

Previews

White Background



This preview shows how the XYZ color 13.4357, 14.6936, 18.0476 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 13.4357, 14.6936, 18.0476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

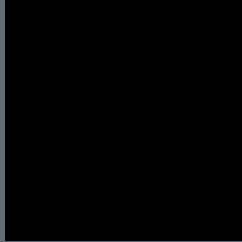
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

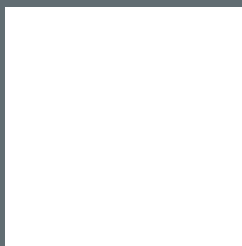
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.4357, 14.6936, 18.0476

Background



This preview shows how black text looks on a background with the XYZ color 13.4357, 14.6936, 18.0476.



This preview shows how white text looks on a background with the XYZ color 13.4357, 14.6936,

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

13.4357, 14.6936, 18.0476

Protanopia

14.1421, 14.6037, 17.4027

Deuteranopia

14.8549, 14.6491, 18.2643



Tritanopia

13.7165, 14.8183, 18.9669

Trichromacy



Original Color

13.4357, 14.6936, 18.0476

Protanomaly

13.8318, 14.5912, 17.7102

Deuteranomaly

14.3120, 14.6717, 18.2973

Tritanomaly

13.6580, 14.7949, 18.6588

Monochromacy



Original Color

13.4357, 14.6936, 18.0476

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6115, 14.5031, 16.5500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4357, 14.6936, 18.0476 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, 109, 114) looks like.

```
.text, #text, p{  
    color:rgb(97, 109, 114)  
}
```

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, 109, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 109, 114) }
```

Border

The CSS property to change the border of an element to XYZ 13.4357, 14.6936, 18.0476 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, 109, 114) }
```


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

```
.border{ border-color:rgb(97, 109, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 109, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 109, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 109, 114);  
box-shadow:4px 4px 4px 4px rgb(97, 109,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4357, 14.6936, 18.0476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 109, 114) }
```

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

```
.background{ background-color: rgb(97, 109,  
114) }
```

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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