

Converting Colors

XYZ(13.8568, 14.2309, 16.2436)

Have a look what the booklet for
XYZ(13.8568, 14.2309, 16.2436)
contains.

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Color

**XYZ(13.8414, 14.1715,
16.1932)**

Conversions

Conversions Part 1

Format	Color
Hex	6C686C
RGB	108, 104, 108
RGB Percent	42%, 41%, 42%
CMY	0.5765, 0.5921, 0.5765
CMYK	0.00, 0.04, 0.00, 0.58
HSL	300°, 2%, 42%
HSV	300°, 4%, 42%
XYZ	13.8414, 14.1715, 16.1932
YIQ	105.6520, 1.1000, 2.0920

Conversions

Conversions Part 2

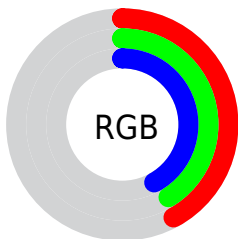
Format	Color
R_{YB}	108, 104, 108
Decimal	7104620
CIE Lab	44.48, 2.38, -1.69
CIE LCh	44, 2.917, 324.574
Yxy	14.1715, 0.3131, 0.3206
Android (android.graphics.Color)	4285294700 (0xFF6C686C)
YUV	105.6520, 1.1576, 2.0592
Hunter-Lab	37.6451, -0.2476, 0.8477

Details

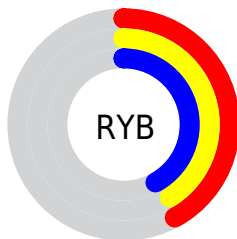
The XYZ color **13.8414, 14.1715, 16.1932** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.5708, 14.6681, 15.2134**, and the grayscale version is **13.6015, 14.3099, 15.5834**.

A 20% lighter version of the original color is **32.2774, 33.3168, 37.5305**, and **4.2299, 4.2553, 5.0133** is the 20% darker color. If you saturate the color by 10%, you get **12.8233, 12.1352, 15.8540**, and if you desaturate by 10%, it is **14.9996, 16.4875, 16.5794**.

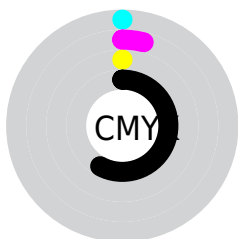
Distribution



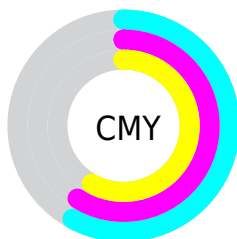
- Red (42%)
- Green (41%)
- Blue (42%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (0%)
- Black (58%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8414, 14.1715, 16.1932 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 13.8414, 14.1715, 16.1932 by changing the saturation by 10% instead.

■ 13.8414, 14.1715,
16.1932

■ 13.8414, 14.1715,
16.1932

209.7723,
218.2951, 242.3636

■ 8.0914, 8.2400,
9.5051

■ 32.3960, 33.3930,
37.7047

■ 4.2058, 4.2489,
4.9708

■ 45.9313, 47.4519,
53.3653

■ 1.8192, 1.8138,
2.1717

■ 62.7923, 64.9886,
72.8537

■ 0.5292, 0.4957,
0.6580

■ 83.3446, 86.3877,
96.5886

■ 0.0000, 0.0000,
0.0000

107.9534,
112.0335, 124.9885

136.9840,

142.3104, 158.4720

170.8019,
177.6028, 197.4575

■ 13.8414, 14.1715,
16.1932

■ 13.8414, 14.1715,
16.1932

■ 12.8233, 12.1352,
15.8540

■ 14.9996, 16.4875,
16.5794

■ 11.9387, 10.3663,
15.5592

■ 16.3016, 19.0914,
17.0134

■ 11.1826, 8.8542,
15.3072

■ 17.7526, 21.9932,
17.4970

■ 10.5489, 7.5871,
15.0960

■ 19.3570, 25.2018,
18.0318

■ 10.0313, 6.5520,
14.9235

■ 21.1192, 28.7261,
18.6191

■ 9.6226, 5.7349,
14.7873

■ 23.0433, 32.5741,
19.2605

■ 9.3152, 5.1202,
14.6849

■ 25.1334, 36.7540,
19.9571

■ 9.1001, 4.6902,
14.6132

■ 27.3932, 41.2734,
20.7103

■ 8.9639, 4.4180,
14.5679

■ 29.8264, 46.1397,
21.5214

Harmonies

Analogous

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



13.6585, 14.1715, 16.6382



13.8414, 14.1715, 16.1932



13.9247, 14.1715, 15.5531

Triad

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



13.8414, 14.1715, 16.1932



13.5124, 14.1715, 14.1768



13.0626, 14.1715, 15.9752

Complementary

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



13.8414, 14.1715, 16.1932



13.5708, 14.6681, 15.2134

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.



13.0245, 14.1715, 15.3082



13.8414, 14.1715, 16.1932



13.2824, 14.1715, 14.2824

Square

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



13.8414, 14.1715, 16.1932



13.7334, 14.1715, 14.3990



13.1045, 14.1715, 14.6919



13.2092, 14.1715, 16.5098

Rectangle

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



13.8414, 14.1715, 16.1932



13.9119, 14.1715, 15.1068



13.1045, 14.1715, 14.6919



13.0367, 14.1715, 15.7585

Sweetspot

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



13.8418, 14.1721, 16.1935



24.8200, 25.9191, 28.6024



13.3734, 13.9406, 16.1735



6.0115, 6.2815, 6.9244



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.



13.8418, 14.1721, 16.1935



24.2232, 24.7256, 28.4035



13.7401, 14.1314, 15.6578



3.3309, 3.3905, 3.9138



10.6036, 5.0934, 17.3465



54.0293, 25.9528, 88.3879

Inverse Universe

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



13.6339, 14.0890, 15.0984



23.8191, 24.5640, 26.2751



13.6700, 14.7078, 15.7364



3.2703, 3.3663, 3.5947



7.3766, 3.8027, 0.3455



37.5866, 19.3766, 1.7597

Previews

White Background



This preview shows how the XYZ color 13.8414, 14.1715, 16.1932 looks on a white background.

Color Contrast Check

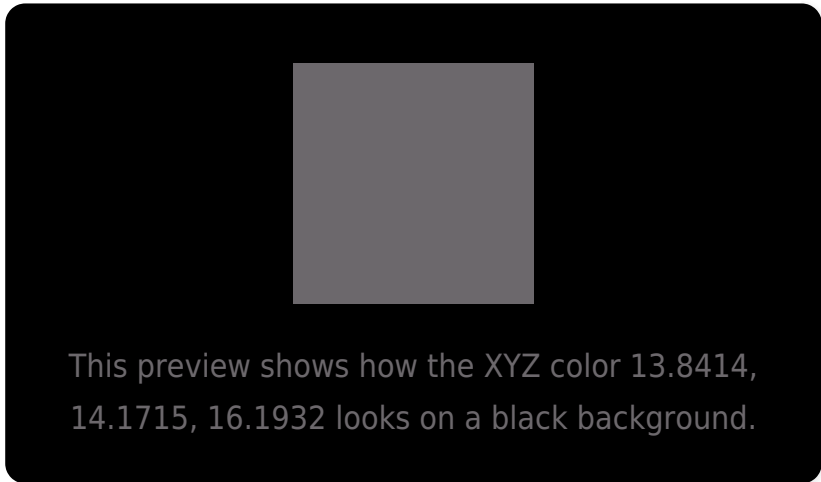
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

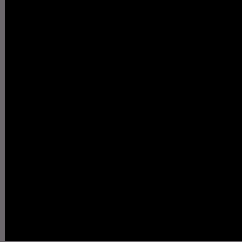
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8414, 14.1715, 16.1932

Background



This preview shows how black text looks on a background with the XYZ color 13.8414, 14.1715, 16.1932.



This preview shows how white text looks on a background with the XYZ color 13.8414, 14.1715,

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

13.8414, 14.1715, 16.1932

Protanopia

13.7022, 14.2500, 16.2157

Deuteranopia

14.3976, 14.1629, 16.1622



Tritanopia

14.0816, 14.1216, 17.3128

Trichromacy

**Original Color**

13.8414, 14.1715, 16.1932

Protanomaly

13.8218, 14.3117, 16.2213

Deuteranomaly

14.2391, 14.2279, 16.1831

Tritanomaly

14.0262, 14.0994, 17.0211

Monochromacy

**Original Color**

13.8414, 14.1715, 16.1932

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.7688, 14.2905, 15.9426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8414, 14.1715, 16.1932 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(108, 104, 108)` looks like.

```
.text, #text, p{  
    color:rgb(108, 104, 108)  
}
```

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(108, 104, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 104, 108) }
```

Border

The CSS property to change the border of an element to XYZ 13.8414, 14.1715, 16.1932 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(108, 104, 108) }
```


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

```
.border{ border-color:rgb(108, 104, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 104, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 104, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 104, 108);  
box-shadow:4px 4px 4px 4px rgb(108, 104,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8414, 14.1715, 16.1932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 104, 108) }
```

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

```
.background{ background-color: rgb(108,  
104, 108) }
```

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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