

Converting Colors

XYZ(13.4421, 14.0956, 18.6699)

Have a look what the booklet for
XYZ(13.4421, 14.0956, 18.6699)
contains.

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Color

**XYZ(13.3496, 14.0168,
18.5249)**

Conversions

Conversions Part 1

Format	Color
Hex	636974
RGB	99, 105, 116
RGB Percent	39%, 41%, 45%
CMY	0.6118, 0.5882, 0.5451
CMYK	0.15, 0.09, 0.00, 0.55
HSL	219°, 8%, 42%
HSV	219°, 15%, 45%
XYZ	13.3496, 14.0168, 18.5249
YIQ	104.4600, -7.1070, 2.1490

Conversions

Conversions Part 2

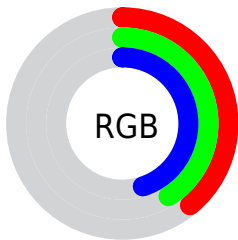
Format	Color
R_{YB}	99, 103, 116
Decimal	6515060
CIE _{Lab}	44.26, 0.18, -6.93
CIE _{LCh}	44, 6.933, 271.452
Yxy	14.0168, 0.2909, 0.3054
Android (android.graphics.Color)	4284705140 (0xFF636974)
YUV	104.4600, 5.6892, -4.7884
Hunter-Lab	37.4390, -1.8707, -3.1295

Details

The XYZ color **13.3496, 14.0168, 18.5249** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.0306, 15.7657, 14.0556**, and the grayscale version is **13.2684, 13.9594, 15.2018**.

A 20% lighter version of the original color is **31.5340, 33.0881, 41.7704**, and **3.9726, 4.1735, 6.0650** is the 20% darker color. If you saturate the color by 10%, you get **11.4413, 11.9482, 18.2264**, and if you desaturate by 10%, it is **15.5083, 16.3154, 18.8550**.

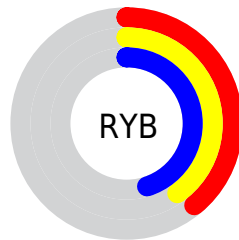
Distribution



Red (39%)

Green (41%)

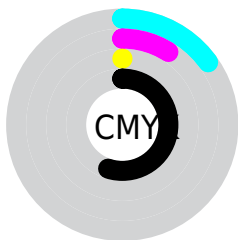
Blue (45%)



Red (39%)

Yellow (40%)

Blue (45%)

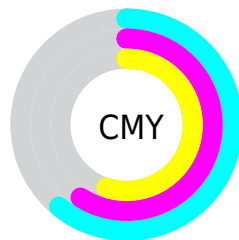


Cyan (15%)

Magenta (9%)

Yellow (0%)

Black (55%)



Cyan (61%)

Magenta (59%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3496, 14.0168, 18.5249 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 13.3496, 14.0168, 18.5249 by changing the saturation by 10% instead.

■ 13.3496, 14.0168,
18.5249

■ 13.3496, 14.0168,
18.5249

206.7388,
217.3353, 256.1480

■ 7.7484, 8.1324,
11.1542

■ 31.5264, 33.1188,
41.7557

■ 3.9848, 4.1798,
6.0552

■ 44.8328, 47.1052,
58.4528

■ 1.6935, 1.7746,
2.8093

■ 61.4382, 64.5610,
79.0958

■ 0.4522, 0.4713,
0.9981

■ 81.7080, 85.8706,
104.1032

■ 0.0000, 0.0000,
0.0000

106.0076,
111.4185, 133.8936

134.7024,

141.5890, 168.8855

168.1577,
176.7664, 209.4975

■ 13.3496, 14.0168,
18.5249

■ 13.3496, 14.0168,
18.5249

■ 11.4413, 11.9482,
18.2264

■ 15.5083, 16.3154,
18.8550

■ 9.7727, 10.1004,
17.9577

■ 17.9250, 18.8492,
19.2167

■ 8.3341, 8.4661,
17.7181

■ 20.6087, 21.6258,
19.6112

■ 7.1146, 7.0369,
17.5065

■ 23.5675, 24.6515,
20.0393

■ 6.1026, 5.8038,
17.3218

■ 26.8091, 27.9326,
20.5017

■ 5.2850, 4.7569,
17.1628

■ 30.3409, 31.4751,
20.9994

■ 4.6472, 3.8856,
17.0283

■ 34.1700, 35.2847,
21.5329

■ 4.1670, 3.1749,
16.9164

■ 38.3033, 39.3672,
22.1030

■ 3.9437, 2.8435,
16.8642

■ 42.7476, 43.7279,
22.7105

Harmonies

Analogous

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



12.8191, 14.0168, 18.1065



13.3496, 14.0168, 18.5249



13.8870, 14.0168, 18.0198

Triad

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



13.3496, 14.0168, 18.5249



14.2536, 14.0168, 13.7224



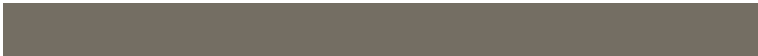
12.4071, 14.0168, 13.8477

Complementary

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



13.3496, 14.0168, 18.5249



15.0306, 15.7657, 14.0556

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.



12.7736, 14.0168, 12.8008



13.3496, 14.0168, 18.5249



13.8390, 14.0168, 12.7321

Square

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



13.3496, 14.0168, 18.5249



14.4179, 14.0168, 15.1846



13.2955, 14.0168, 12.4065



12.2842, 14.0168, 15.3395

Rectangle

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



13.3496, 14.0168, 18.5249



14.1745, 14.0168, 17.2464



13.2955, 14.0168, 12.4065



12.5054, 14.0168, 13.4358

Sweetspot

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



13.3500, 14.0174, 18.5252



27.4834, 28.9146, 33.1771



14.1931, 16.2644, 17.0769



6.4955, 6.8335, 7.9056



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.



13.3500, 14.0174, 18.5252



22.1405, 23.2104, 32.3576



13.0113, 12.9671, 18.3403



3.5966, 3.7819, 4.6307



4.4092, 3.1581, 18.9198



20.7475, 13.9116, 91.9520

Inverse Universe

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



14.2145, 13.6570, 15.2522



24.0182, 22.4760, 25.2371



15.4026, 16.9514, 14.2649



3.7324, 3.7202, 4.1177



8.5227, 4.3428, 2.6948



41.1591, 21.0138, 11.1672

Previews

White Background



This preview shows how the XYZ color 13.3496, 14.0168, 18.5249 looks on a white background.

Color Contrast Check

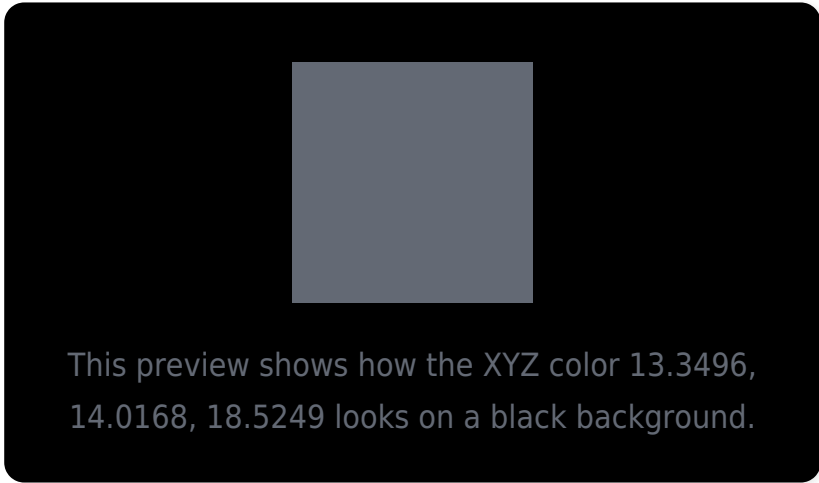
Large Text (above 18pt) WCAG AA ✓ Pass

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

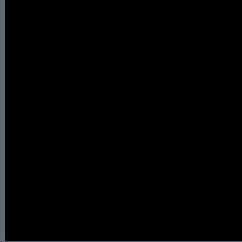
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

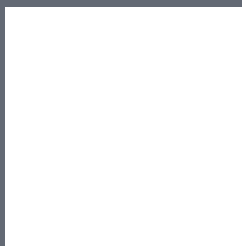
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.3496, 14.0168, 18.5249

Background



This preview shows how black text looks on a background with the XYZ color 13.3496, 14.0168, 18.5249.

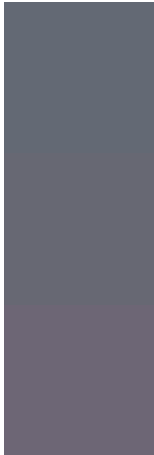


This preview shows how white text looks on a background with the XYZ color 13.3496, 14.0168,

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

13.3496, 14.0168, 18.5249

Protanopia

13.6383, 14.0220, 18.2074

Deuteranopia

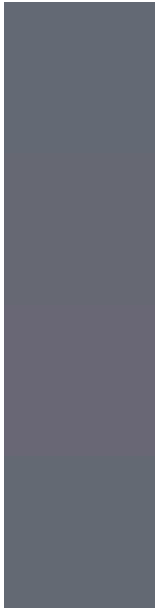
14.2689, 14.0383, 18.7872



Tritanopia

13.2344, 13.9707, 17.9187

Trichromacy



Original Color

13.3496, 14.0168, 18.5249

Protanomaly

13.5243, 13.9632, 18.2020

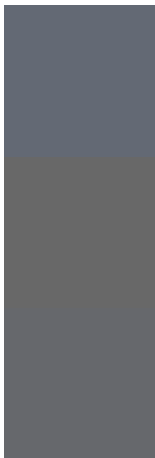
Deuteranomaly

13.8868, 13.9881, 18.7977

Tritanomaly

13.2917, 13.9936, 18.2201

Monochromacy



Original Color

13.3496, 14.0168, 18.5249

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.1366, 13.8081, 16.1602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3496, 14.0168, 18.5249 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(99, 105, 116) looks like.

```
.text, #text, p{  
    color:rgb(99, 105, 116)  
}
```

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(99, 105, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 105, 116) }
```

Border

The CSS property to change the border of an element to XYZ 13.3496, 14.0168, 18.5249 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(99, 105, 116) }
```


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

```
.border{ border-color:rgb(99, 105, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 105, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 105, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 105, 116);  
box-shadow:4px 4px 4px 4px rgb(99, 105,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3496, 14.0168, 18.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 105, 116) }
```

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

```
.background{ background-color: rgb(99, 105,  
116) }
```

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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