

Converting Colors

XYZ(13.0723, 16.7463, 15.7570)

Have a look what the booklet for
XYZ(13.0723, 16.7463, 15.7570)
contains.

XYZ(13.1144, 16.8034, 15.6489)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.1144, 16.8034,
15.6489)**

Conversions

Conversions Part 1

Format	Color
Hex	547A68
RGB	84, 122, 104
RGB Percent	33%, 48%, 41%
CMY	0.6706, 0.5216, 0.5922
CMYK	0.31, 0.00, 0.15, 0.52
HSL	152°, 18%, 40%
HSV	152°, 31%, 48%
XYZ	13.1144, 16.8034, 15.6489
YIQ	108.5860, -16.8700, -13.6540

Conversions

Conversions Part 2

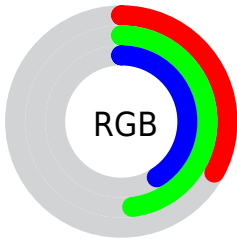
Format	Color
R_{YB}	84, 109, 122
Decimal	5536360
CIE _{Lab}	48.01, -17.54, 5.60
CIE _{LCh}	48, 18.415, 162.289
Yxy	16.8034, 0.2878, 0.3688
Android (android.graphics.Color)	4283726440 (0xFF547A68)
YUV	108.5860, -2.2609, -21.5619
Hunter-Lab	40.9920, -14.6291, 6.0601

Details

The XYZ color **13.1144, 16.8034, 15.6489** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.5952, 11.4380, 14.0623**, and the grayscale version is **14.4287, 15.1801, 16.5311**.

A 20% lighter version of the original color is **31.2380, 38.1774, 36.7329**, and **3.8840, 5.4538, 4.7189** is the 20% darker color. If you saturate the color by 10%, you get **11.8326, 16.1758, 14.1088**, and if you desaturate by 10%, it is **14.6075, 17.5385, 17.3046**.

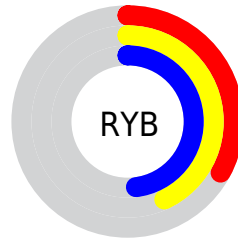
Distribution



Red (33%)

Green (48%)

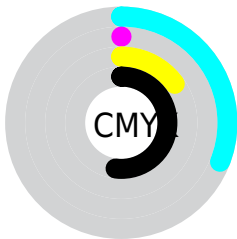
Blue (41%)



Red (33%)

Yellow (43%)

Blue (48%)

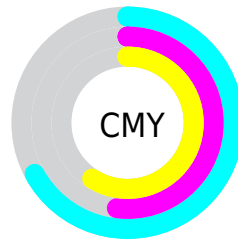


Cyan (31%)

Magenta (0%)

Yellow (15%)

Black (52%)



Cyan (67%)


Magenta (52%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1144, 16.8034, 15.6489 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 13.1144, 16.8034, 15.6489 by changing the saturation by 10% instead.


 13.1144, 16.8034,
15.6489


 13.1144, 16.8034,
15.6489


205.2724,
234.0369, 239.0355


 7.5849, 10.0944,
9.1244


 31.1087, 37.9874,
36.7459


 3.8801, 5.4616,
4.7245

 44.3043, 53.2313,
52.1554

 1.6345, 2.5206,
2.0306

 60.7859, 72.0889,
71.3637

 0.4147, 0.8869,
0.5740

 80.9189, 94.9446,
94.7893

 0.0000, 0.0000,
0.0000

 105.0687,
122.1829, 122.8507

133.6007,

154.1881, 155.9666

166.8801,
191.3446, 194.5553

■ 13.1144, 16.8034,
15.6489

■ 13.1144, 16.8034,
15.6489

■ 11.8326, 16.1758,
14.1088

■ 14.6075, 17.5385,
17.3046

■ 10.7505, 15.6485,
12.6807

■ 16.3200, 18.3838,
19.0773

■ 9.8573, 15.2162,
11.3623

■ 18.2614, 19.3448,
20.9698

■ 9.1406, 14.8729,
10.1507

■ 20.4400, 20.4256,
22.9844

■ 8.5868, 14.6113,
9.0430

■ 22.8639, 21.6303,
25.1233

■ 8.1795, 14.4232,
8.0361

■ 25.5407, 22.9629,
27.3887

■ 7.8912, 14.2923,
7.2245

■ 28.4777, 24.4270,
29.7828

■ 31.6817, 26.0262,
32.3076

■ 35.1596, 27.7639,
34.9651

Harmonies

Analogous

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



13.9146, 16.8034, 12.3228



13.1144, 16.8034, 15.6489



13.0459, 16.8034, 20.3154

Triad

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



13.1144, 16.8034, 15.6489



16.6615, 16.8034, 28.7829



18.4555, 16.8034, 12.7996

Complementary

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



13.1144, 16.8034, 15.6489



13.5952, 11.4380, 14.0623

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.



19.3039, 16.8034, 16.4152



13.1144, 16.8034, 15.6489



18.2210, 16.8034, 25.9418

Square

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



13.1144, 16.8034, 15.6489



15.0179, 16.8034, 28.4806



19.2152, 16.8034, 21.2261



16.9639, 16.8034, 10.8849

Rectangle

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



13.1144, 16.8034, 15.6489



13.4174, 16.8034, 23.6374



19.2152, 16.8034, 21.2261



18.8299, 16.8034, 13.8268

Sweetspot

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



13.1149, 16.8041, 15.6493



29.3382, 32.6516, 34.1876



14.0815, 17.4062, 11.0053



6.6187, 7.4215, 7.7279



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1149, 16.8041, 15.6493



21.5111, 28.7968, 25.6810



14.0516, 17.0548, 20.9645



4.0308, 4.4819, 4.6959



8.3036, 15.0451, 7.5836



39.1761, 71.5935, 33.8948

Inverse Universe

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



13.5952, 11.4380, 14.0623



22.4906, 17.8581, 22.4475



12.8465, 11.2175, 9.8758



4.0700, 4.0437, 4.5662



9.2445, 4.6740, 4.5784



43.6732, 22.1256, 19.6071

Previews

White Background



This preview shows how the XYZ color 13.1144, 16.8034, 15.6489 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 13.1144, 16.8034, 15.6489 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 13.1144, 16.8034, 15.6489

Background



This preview shows how black text looks on a background with the XYZ color 13.1144, 16.8034, 15.6489.

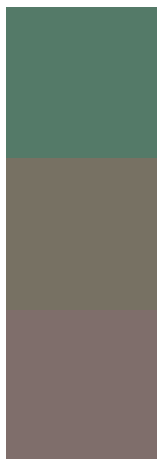


This preview shows how white text looks on a background with the XYZ color 13.1144, 16.8034,

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

13.1144, 16.8034, 15.6489

Protanopia

15.7650, 16.6330, 14.1840

Deuteranopia

16.9822, 16.7254, 16.2432



Tritanopia

14.6129, 16.8760, 22.9093

Trichromacy



Original Color

13.1144, 16.8034, 15.6489

Protanomaly

14.5382, 16.4945, 14.7294

Deuteranomaly

15.1744, 16.4547, 16.0120

Tritanomaly

13.9767, 16.7911, 19.9571

Monochromacy



Original Color

13.1144, 16.8034, 15.6489

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9267, 15.8055, 16.2267

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1144, 16.8034, 15.6489 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(84, 122, 104)` looks like.

```
.text, #text, p{  
    color:rgb(84, 122, 104)  
}
```

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(84, 122, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 122, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.1144, 16.8034, 15.6489 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(84, 122, 104) }
```


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

```
.border{ border-color:rgb(84, 122, 104) }
```

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

Here you see how a box with a 4 pixel rgb(84, 122, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 122, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 122, 104);  
box-shadow:4px 4px 4px 4px rgb(84, 122,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1144, 16.8034, 15.6489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 122, 104) }
```

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

```
.background{ background-color: rgb(84, 122,  
104) }
```

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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