

Converting Colors

XYZ(13.0168, 14.5417, 15.2401)

Have a look what the booklet for
XYZ(13.0168, 14.5417, 15.2401)
contains.

XYZ(13.0043, 14.5334, 15.2165)	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(13.0043, 14.5334,
15.2165)**

Conversions

Conversions Part 1

Format	Color
Hex	626D68
RGB	98, 109, 104
RGB Percent	38%, 43%, 41%
CMY	0.6157, 0.5725, 0.5922
CMYK	0.10, 0.00, 0.05, 0.57
HSL	153°, 5%, 41%
HSV	153°, 10%, 43%
XYZ	13.0043, 14.5334, 15.2165
YIQ	105.1410, -4.9510, -3.8870

Conversions

Conversions Part 2

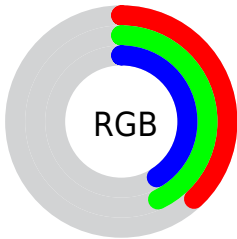
Format	Color
R _Y B	98, 105, 109
Decimal	6450536
CIE Lab	44.99, -5.24, 1.36
CIE LCh	45, 5.412, 165.401
Yxy	14.5334, 0.3042, 0.3399
Android (android.graphics.Color)	4284640616 (0xFF626D68)
YUV	105.1410, -0.5625, -6.2627
Hunter-Lab	38.1227, -5.8253, 3.0206

Details

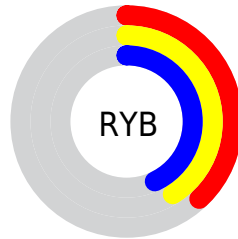
The XYZ color **13.0043, 14.5334, 15.2165** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.1230, 12.9662, 14.6437**, and the grayscale version is **13.4682, 14.1696, 15.4307**.

A 20% lighter version of the original color is **30.8816, 33.8977, 35.9256**, and **3.8773, 4.4707, 4.5295** is the 20% darker color. If you saturate the color by 10%, you get **11.6631, 13.8706, 13.8783**, and if you desaturate by 10%, it is **14.5214, 15.2859, 16.6408**.

Distribution



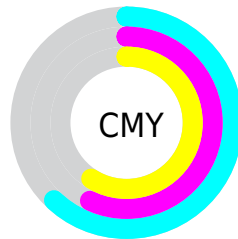
- Red (38%)
- Green (43%)
- Blue (41%)



- Red (38%)
- Yellow (41%)
- Blue (43%)



- Cyan (10%)
- Magenta (0%)
- Yellow (5%)
- Black (57%)



- Cyan (62%)
- Magenta (57%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.0043, 14.5334, 15.2165 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 13.0043, 14.5334, 15.2165 by changing the saturation by 10% instead.

■ 13.0043, 14.5334,
15.2165

■ 13.0043, 14.5334,
15.2165

204.5823,
220.5244, 236.3587

■ 7.5085, 8.4926,
8.8232

■ 30.9128, 34.0325,
35.9802

■ 3.8313, 4.4117,
4.5308

■ 44.0562, 48.2596,
51.1876

■ 1.6071, 1.9064,
1.9208

■ 60.4795, 65.9842,
70.1702

■ 0.3970, 0.5522,
0.5059

■ 80.5481, 87.5908,
93.3464

■ 0.0000, 0.0000,
0.0000

104.6273,
113.4637, 121.1348

133.0825,

143.9873, 153.9540

166.2790,
179.5461, 192.2224

■ 13.0043, 14.5334,
15.2165

■ 13.0043, 14.5334,
15.2165

■ 11.6631, 13.8706,
13.8783

■ 14.5214, 15.2859,
16.6408

■ 10.4897, 13.2923,
12.6236

■ 16.2193, 16.1296,
18.1518

■ 9.4776, 12.7954,
11.4510

■ 18.1046, 17.0680,
19.7513

■ 8.6190, 12.3761,
10.3587

■ 20.1829, 18.1042,
21.4409

■ 7.9056, 12.0300,
9.3451

■ 22.4597, 19.2409,
23.2219

■ 7.3284, 11.7526,
8.4081

■ 24.9402, 20.4807,
25.0959

■ 6.8771, 11.5385,
7.5458

■ 27.6295, 21.8263,
27.0641

■ 6.5398, 11.3818,
6.7560

■ 30.5324, 23.2801,
29.1280

■ 6.2700, 11.2582,
6.0413

■ 33.6537, 24.8446,
31.2888

Harmonies

Analogous

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



13.2150, 14.5334, 14.1701



13.0043, 14.5334, 15.2165



13.0073, 14.5334, 16.4822

Triad

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



13.0043, 14.5334, 15.2165



14.0414, 14.5334, 18.2988



14.4213, 14.5334, 14.1476

Complementary

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



13.0043, 14.5334, 15.2165



13.1230, 12.9662, 14.6437

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.



14.6525, 14.5334, 15.1844



13.0043, 14.5334, 15.2165



14.4300, 14.5334, 17.6027

Square

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



13.0043, 14.5334, 15.2165



13.5996, 14.5334, 18.3086



14.6557, 14.5334, 16.4483



14.0297, 14.5334, 13.5758

Rectangle

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



13.0043, 14.5334, 15.2165



13.1298, 14.5334, 17.2824



14.6557, 14.5334, 16.4483



14.5207, 14.5334, 14.4508

Sweetspot

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



13.0047, 14.5340, 15.2168



25.1560, 26.9510, 29.0179



13.2825, 14.7112, 13.6949



5.8095, 6.2496, 6.7113



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.



13.0047, 14.5340, 15.2168



22.7210, 25.7446, 26.6968



13.2274, 14.5606, 16.5820



3.1266, 3.4698, 3.6503



7.3209, 13.1624, 7.0010



36.8606, 66.8913, 33.3427

Inverse Universe

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



13.1230, 12.9662, 14.6437



22.9762, 22.3638, 25.4610



12.9138, 12.9375, 13.3720



3.1516, 3.1375, 3.5288



8.0267, 4.0628, 3.7690



40.4719, 20.5307, 16.9536

Previews

White Background



This preview shows how the XYZ color 13.0043, 14.5334, 15.2165 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 13.0043, 14.5334, 15.2165 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

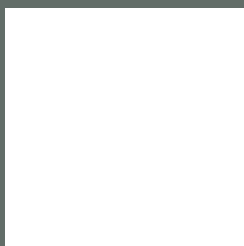
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.0043, 14.5334, 15.2165

Background



This preview shows how black text looks on a background with the XYZ color 13.0043, 14.5334, 15.2165.

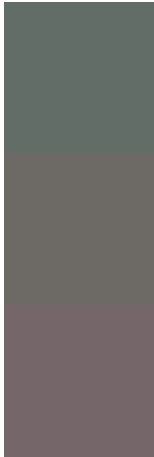


This preview shows how white text looks on a background with the XYZ color 13.0043, 14.5334,

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

13.0043, 14.5334, 15.2165

Protanopia

13.8590, 14.5186, 14.6423

Deuteranopia

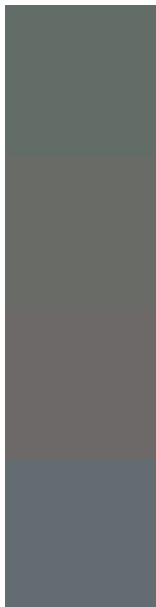
14.7362, 14.5023, 15.3871



Tritanopia

13.6656, 14.4857, 18.5988

Trichromacy



Original Color

13.0043, 14.5334, 15.2165

Protanomaly

13.5316, 14.4979, 14.9172

Deuteranomaly

14.0318, 14.4381, 15.4119

Tritanomaly

13.4328, 14.5476, 17.4292

Monochromacy



Original Color

13.0043, 14.5334, 15.2165

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.1833, 14.1528, 15.4015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0043, 14.5334, 15.2165 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(98, 109, 104) looks like.

```
.text, #text, p{  
    color:rgb(98, 109, 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(98, 109, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 109, 104) }
```

Border

The CSS property to change the border of an element to XYZ 13.0043, 14.5334, 15.2165 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(98, 109, 104) }
```


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

```
.border{ border-color:rgb(98, 109, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 109, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 109, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 109, 104);  
box-shadow:4px 4px 4px 4px rgb(98, 109,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 13.0043, 14.5334, 15.2165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 109, 104) }
```

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

```
.background{ background-color: rgb(98, 109,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor