

# Converting Colors

XYZ(11.4104, 14.0371, 16.4382)

Have a look what the booklet for  
XYZ(11.4104, 14.0371, 16.4382)  
contains.

<b>XYZ(11.4252, 14.0095, 16.5699)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	28
<i><b>CSS Examples</b></i>	31

# Color

**XYZ(11.4252, 14.0095,  
16.5699)**

# Conversions

Conversions Part 1	
Format	Color
Hex	4C6F6D
RGB	76, 111, 109
RGB Percent	30%, 44%, 43%
CMY	0.7020, 0.5647, 0.5725
CMYK	0.32, 0.00, 0.02, 0.56
HSL	177°, 19%, 37%
HSV	177°, 32%, 44%
XYZ	11.4252, 14.0095, 16.5699
YIQ	100.3070, -20.2180, -8.0420

# Conversions

## Conversions Part 2

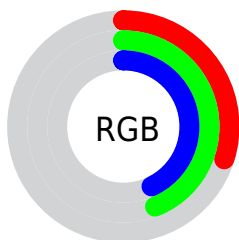
Format	Color
<a href="#">RYB</a>	<a href="#">76, 94, 111</a>
Decimal	<a href="#">5009261</a>
CIELab	<a href="#">44.25, -12.92, -2.90</a>
CIELCh	<a href="#">44, 13.244, 192.671</a>
Yxy	<a href="#">14.0095, 0.2720, 0.3335</a>
Android (android.graphics.Color)	<a href="#">4283199341</a> (0xFF4C6F6D)
YUV	<a href="#">100.3070, 4.2856, -21.3172</a>
Hunter-Lab	<a href="#">37.4293, -11.0145, -0.0471</a>

# Details

The XYZ color **11.4252, 14.0095, 16.5699** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.5156, 9.0988, 8.4102**, and the grayscale version is **12.1849, 12.8195, 13.9604**.

A 20% lighter version of the original color is **28.0465, 33.1681, 38.1816**, and **3.1537, 4.1640, 5.1949** is the 20% darker color. If you saturate the color by 10%, you get **10.5844, 13.5803, 16.3531**, and if you desaturate by 10%, it is **12.4193, 14.5184, 16.7958**.

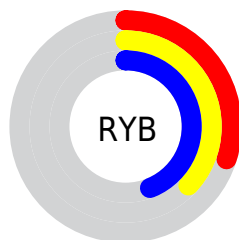
# Distribution



Red (30%)

Green (44%)

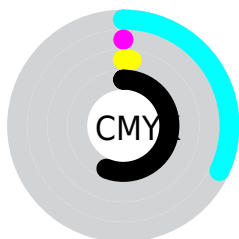
Blue (43%)



Red (30%)

Yellow (37%)

Blue (44%)

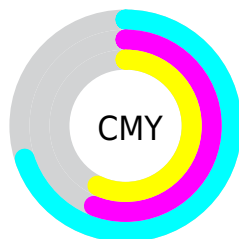


Cyan (32%)

Magenta (0%)

Yellow (2%)

Black (56%)



Cyan (70%)

Magenta (56%)


Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4252, 14.0095, 16.5699 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 11.4252, 14.0095, 16.5699 by changing the saturation by 10% instead.





 11.4252, 14.0095,  
16.5699


 11.4252, 14.0095,  
16.5699


194.4105,  
217.2899, 244.6410


 6.4230, 8.1273,  
9.7696


 28.0698, 33.1059,  
38.3653


 3.1470, 4.1765,  
5.1429


 40.4430, 47.0888,  
54.1974

 1.2320, 1.7728,  
2.2711

 56.0038, 64.5408,  
73.8773

 0.1314, 0.4701,  
0.7150

 75.1176, 85.8462,  
97.8233


 0.0000, 0.0000,  
0.0000


 98.1499, 111.3894,  
126.4542


125.4659,


141.5548, 160.1884


157.4310,  
176.7269, 199.4445


 11.4252, 14.0095,  
16.5699


 11.4252, 14.0095,  
16.5699


 10.5844, 13.5803,  
16.3531


 12.4193, 14.5184,  
16.7958


 9.8878, 13.2251,  
16.1440


 13.5727, 15.1090,  
17.0301


 9.3273, 12.9401,  
15.9426

 14.8925, 15.7854,  
17.2735

 8.8936, 12.7203,  
15.7484

 16.3853, 16.5509,  
17.5263

 8.5760, 12.5604,  
15.5609

 18.0571, 17.4086,  
17.7888

8.3620, 12.4539,  
15.3795

19.9136, 18.3616,  
18.0612

8.2168, 12.3822,  
15.2286

21.9603, 19.4125,  
18.3438

24.2025, 20.5643,  
18.6369

26.6453, 21.8194,  
18.9406

# Harmonies

## Analogous

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



11.4639, 14.0095, 13.5812



11.4252, 14.0095, 16.5699



11.8731, 14.0095, 19.5602

# Triad

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



11.4252, 14.0095, 16.5699



14.7447, 14.0095, 19.9587



13.9317, 14.0095, 10.3346

# Complementary

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



11.4252, 14.0095, 16.5699



10.5156, 9.0988, 8.4102

# 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.



14.8704, 14.0095, 11.6312



11.4252, 14.0095, 16.5699



15.3566, 14.0095, 17.0587

# Square

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



11.4252, 14.0095, 16.5699



13.7675, 14.0095, 21.6840



15.4038, 14.0095, 14.0096



12.8737, 14.0095, 10.2402



# Rectangle

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



11.4252, 14.0095, 16.5699



12.4020, 14.0095, 21.0466



15.4038, 14.0095, 14.0096



14.2730, 14.0095, 10.6355

# Sweetspot

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



11.4256, 14.0101, 16.5702



24.8169, 27.3172, 30.5922



10.1586, 13.5251, 8.9128



5.8985, 6.5302, 7.3375



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.



11.4256, 14.0101, 16.5702



19.3037, 24.4962, 29.3774



10.0178, 11.0200, 16.6387



3.4671, 3.8120, 4.2662



9.6789, 14.5891, 17.9275



48.1052, 72.6307, 88.7281



# Inverse Universe

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



10.5156, 9.0988, 8.4102



17.3929, 14.1789, 12.2401



11.6159, 11.4124, 8.4282



3.3915, 3.4043, 3.5885



7.7625, 3.9974, 0.5593



38.5616, 19.8700, 2.2235



# Previews

## White Background



This preview shows how the XYZ color 11.4252, 14.0095, 16.5699 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 11.4252, 14.0095, 16.5699 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 11.4252, 14.0095, 16.5699**

## **Background**



This preview shows how black text looks on a background with the XYZ color 11.4252, 14.0095, 16.5699.



This preview shows how white text looks on a background with the XYZ color 11.4252, 14.0095,



# 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

11.4252, 14.0095, 16.5699

### Protanopia

13.4440, 13.9847, 15.3553

### Deuteranopia

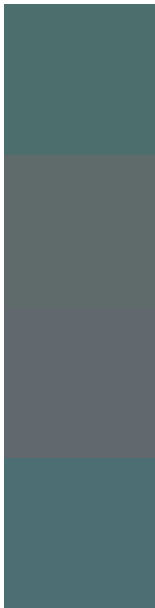
14.0785, 13.8346, 16.9672



## Tritanopia

11.9878, 14.0796, 19.2253

# Trichromacy



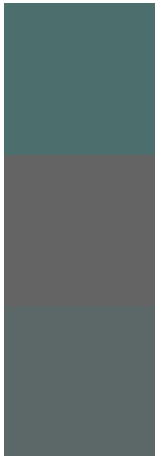
**Original Color**  
11.4252, 14.0095, 16.5699

**Protanomaly**  
12.5785, 13.9889, 15.6728

**Deuteranomaly**  
12.9031, 13.8256, 16.7404

**Tritanomaly**  
11.7310, 13.9674, 18.2974

# Monochromacy



**Original Color**  
11.4252, 14.0095, 16.5699

**Achromatopsia**  
12.1130, 12.7438, 13.8780

**Achromatomaly**  
11.7129, 13.1040, 14.7440

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 11.4252, 14.0095, 16.5699 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(76, 111, 109)` looks like.

```
.text, #text, p{  
    color:rgb(76, 111, 109)  
}
```

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(76, 111, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 111, 109) }
```

## Border

The CSS property to change the border of an element to XYZ 11.4252, 14.0095, 16.5699 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(76, 111, 109) }
```



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

```
.border{ border-color:rgb(76, 111, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 111, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 111, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 111, 109);  
box-shadow:4px 4px 4px 4px rgb(76, 111,  
109) }
```

# Background

The CSS property to change the background color of an element to XYZ 11.4252, 14.0095, 16.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:rgb(76, 111, 109) }
```

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

```
.background{ background-color:rgb(76, 111,  
109) }
```

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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