

Converting Colors

XYZ(13.9534, 16.6470, 33.7311)

Have a look what the booklet for
XYZ(13.9534, 16.6470, 33.7311)
contains.

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Color

**XYZ(14.0104, 16.6794,
33.9335)**

Conversions

Conversions Part 1

Format	Color
Hex	2F799C
RGB	47, 121, 156
RGB Percent	18%, 47%, 61%
CMY	0.8157, 0.5255, 0.3882
CMYK	0.70, 0.22, 0.00, 0.39
HSL	199°, 54%, 40%
HSV	199°, 70%, 61%
XYZ	14.0104, 16.6794, 33.9335
YIQ	102.8640, -55.3390, -4.8030

Conversions

Conversions Part 2

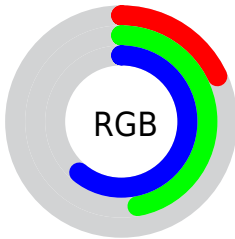
Format	Color
RYB	47, 91, 156
Decimal	3111324
CIELab	47.85, -11.11, -25.51
CIELCh	48, 27.819, 246.468
Yxy	16.6794, 0.2168, 0.2581
Android (android.graphics.Color)	4281301404 (0xFF2F799C)
YUV	102.8640, 26.1960, -48.9927
Hunter-Lab	40.8404, -10.2359, -20.6746

Details

The XYZ color **14.0104, 16.6794, 33.9335** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **17.2413, 13.3086, 4.3501**, and the grayscale version is **12.8004, 13.4670, 14.6656**.

A 20% lighter version of the original color is **32.6453, 37.6545, 67.1755**, and **4.8672, 5.6547, 14.1995** is the 20% darker color. If you saturate the color by 10%, you get **12.8227, 15.1870, 33.7084**, and if you desaturate by 10%, it is **15.4879, 18.3687, 34.1820**.

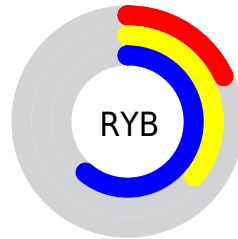
Distribution



Red (18%)

Green (47%)

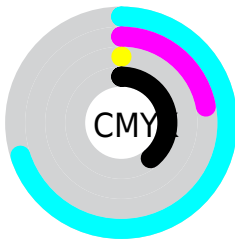
Blue (61%)



Red (18%)

Yellow (36%)

Blue (61%)

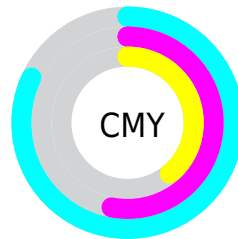


Cyan (70%)

Magenta (22%)

Yellow (0%)

Black (39%)



Cyan (82%)

Magenta (53%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.0104, 16.6794, 33.9335 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 14.0104, 16.6794, 33.9335 by changing the saturation by 10% instead.

■ 14.0104, 16.6794,
33.9335

■ 14.0104, 16.6794,
33.9335

■ 210.8048,
233.3180, 334.5955

■ 8.2096, 10.0062,
22.5656

■ 32.6936, 37.7737,
66.9630

■ 4.2823, 5.4031,
14.0708

■ 46.3067, 52.9636,
89.4616

■ 1.8631, 2.4856,
8.0306

■ 63.2547, 71.7612,
116.5075

■ 0.5552, 0.8694,
4.0265

■ 83.9029, 94.5508,
148.5192

■ 0.0000, 0.0000,
1.6399

■ 108.6167,
121.7169, 185.9154

■ 0.0000, 0.0000,
0.3190

■ 137.7614,

■ 0.0000, 0.0000,

153.6439, 229.1144

0.0000

171.7023,
190.7161, 278.5350

■ 14.0104, 16.6794,
33.9335

■ 14.0104, 16.6794,
33.9335

■ 12.8227, 15.1870,
33.7084

■ 15.4879, 18.3687,
34.1820

■ 11.8938, 13.8740,
33.5039

■ 17.2787, 20.2668,
34.4540

■ 11.1547, 12.7044,
33.3171

■ 19.4054, 22.3865,
34.7511

■ 11.1454, 12.6894,
33.3147

■ 21.8882, 24.7386,
35.0742

■ 24.7455, 27.3334,
35.4245

■ 27.9944, 30.1804,
35.8027

■ 31.6508, 33.2882,
36.2099

■ 35.7298, 36.6655,
36.6468

■ 40.2457, 40.3200,
37.1142

Harmonies

Analogous

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



12.2932, 16.6794, 27.6345



14.0104, 16.6794, 33.9335



16.4010, 16.6794, 35.5628

Triad

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



14.0104, 16.6794, 33.9335



21.1256, 16.6794, 16.6538



13.1642, 16.6794, 9.1870

Complementary

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



14.0104, 16.6794, 33.9335



17.2413, 13.3086, 4.3501

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.



15.3179, 16.6794, 7.6286



14.0104, 16.6794, 33.9335



20.0418, 16.6794, 11.1456

Square

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



14.0104, 16.6794, 33.9335



20.6817, 16.6794, 24.2309



17.8510, 16.6794, 8.2371



11.8417, 16.6794, 13.2003

Rectangle

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



14.0104, 16.6794, 33.9335



18.0938, 16.6794, 33.4832



17.8510, 16.6794, 8.2371



13.8058, 16.6794, 8.4144

Sweetspot

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



14.0110, 16.6800, 33.9339



44.0956, 48.8859, 64.2386



14.5660, 24.9836, 11.9420



9.4046, 10.4883, 14.0991



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.0110, 16.6800, 33.9339



22.2583, 26.1641, 61.0038



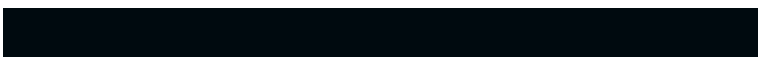
9.1798, 7.0177, 32.3235



6.6421, 7.1500, 8.4367



9.2125, 10.5165, 27.4516



0.2011, 0.2609, 0.5030

Inverse Universe

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



18.1785, 10.4820, 19.1549



30.8586, 16.0743, 29.8996



23.0304, 24.8868, 6.2798



6.8135, 6.7183, 7.8688



13.4482, 6.6839, 11.8774



0.2588, 0.1269, 0.3092

Previews

White Background



This preview shows how the XYZ color 14.0104, 16.6794, 33.9335 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 14.0104, 16.6794, 33.9335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

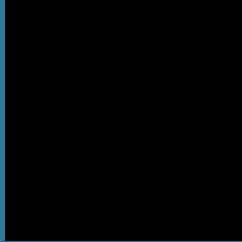
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.0104, 16.6794, 33.9335

Background



This preview shows how black text looks on a background with the XYZ color 14.0104, 16.6794, 33.9335.

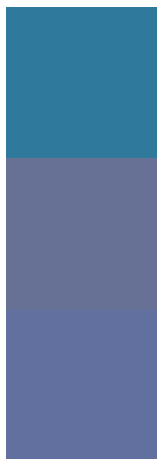


This preview shows how white text looks on a background with the XYZ color 14.0104, 16.6794,

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

14.0104, 16.6794, 33.9335

Protanopia

16.8125, 16.6418, 30.7599

Deuteranopia

16.8955, 16.5984, 34.6611



Tritanopia

12.3025, 16.7236, 25.5012

Trichromacy



Original Color

14.0104, 16.6794, 33.9335

Protanomaly

15.3655, 16.3675, 32.0552

Deuteranomaly

15.4410, 16.3581, 34.2419

Tritanomaly

12.9285, 16.7918, 28.5463

Monochromacy



Original Color

14.0104, 16.6794, 33.9335

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.6561, 14.3960, 20.5240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0104, 16.6794, 33.9335 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(47, 121, 156)` looks like.

```
.text, #text, p{  
    color:rgb(47, 121, 156)  
}
```

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(47, 121, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 121, 156) }
```

Border

The CSS property to change the border of an element to XYZ 14.0104, 16.6794, 33.9335 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(47, 121, 156) }
```


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

```
.border{ border-color:rgb(47, 121, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 121, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 121, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 121, 156);  
box-shadow:4px 4px 4px 4px rgb(47, 121,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0104, 16.6794, 33.9335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 121, 156) }
```

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

```
.background{ background-color: rgb(47, 121,  
156) }
```

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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