

Converting Colors

XYZ(17.0053, 14.4436, 55.3198)

Have a look what the booklet for
XYZ(17.0053, 14.4436, 55.3198)
contains.

XYZ(17.0267, 14.5084, 55.3291)	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(17.0267, 14.5084,
55.3291)**

Conversions

Conversions Part 1

Format	Color
Hex	4165C6
RGB	65, 101, 198
RGB Percent	25%, 40%, 78%
CMY	0.7451, 0.6039, 0.2235
CMYK	0.67, 0.49, 0.00, 0.22
HSL	224°, 54%, 52%
HSV	224°, 67%, 78%
XYZ	17.0267, 14.5084, 55.3291
YIQ	101.2940, -52.5930, 22.5350

Conversions

Conversions Part 2

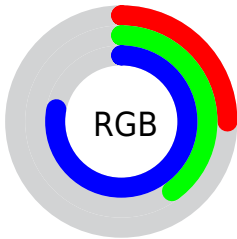
Format	Color
R_{YB}	65, 93, 198
Decimal	4285894
CIE _{Lab}	44.95, 19.13, -54.51
CIE _{LCh}	45, 57.766, 289.340
Yxy	14.5084, 0.1960, 0.1670
Android (android.graphics.Color)	4282475974 (0xFF4165C6)
YUV	101.2940, 47.6761, -31.8298
Hunter-Lab	38.0899, 13.1346, -59.4613

Details

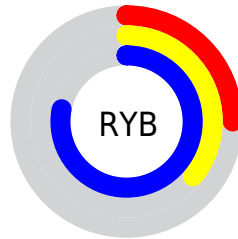
The XYZ color **17.0267, 14.5084, 55.3291** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted azure. A complement of this color would be **37.1649, 38.2310, 10.4227**, and the grayscale version is **12.3367, 12.9791, 14.1343**.

A 20% lighter version of the original color is **37.7208, 33.7888, 99.1415**, and **6.3241, 4.7155, 26.5635** is the 20% darker color. If you saturate the color by 10%, you get **14.6571, 11.3851, 54.8515**, and if you desaturate by 10%, it is **20.1033, 18.3621, 55.9111**.

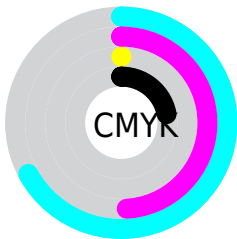
Distribution



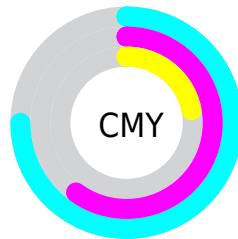
- Red (25%)
- Green (40%)
- Blue (78%)



- Red (25%)
- Yellow (36%)
- Blue (78%)



- Cyan (67%)
- Magenta (49%)
- Yellow (0%)
- Black (22%)



- Cyan (75%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0267, 14.5084, 55.3291 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 17.0267, 14.5084, 55.3291 by changing the saturation by 10% instead.

■ 17.0267, 14.5084,
55.3291

■ 17.0267, 14.5084,
55.3291

228.4794,
220.3711, 424.4753

■ 10.3490, 8.4751,
39.2649

■ 37.9149, 33.9884,
99.4990

■ 5.6950, 4.4004,
26.6564

■ 52.8561, 48.2040,
128.4417

■ 2.6994, 1.9000,
17.0852

■ 71.2824, 65.9157,
162.5143

■ 0.9969, 0.5484,
10.1327

■ 93.5593, 87.5080,
202.1354

■ 0.0000, 0.0000,
5.3803

■ 120.0521,
113.3653, 247.7235

■ 0.0000, 0.0000,
2.4094

151.1262,

■ 0.0000, 0.0000,

143.8720, 299.6972

0.7916

187.1468,
179.4124, 358.4749

■ 0.0000, 0.0000,
0.0000

■ 17.0267, 14.5084,
55.3291

■ 17.0267, 14.5084,
55.3291

■ 14.6571, 11.3851,
54.8515

■ 20.1033, 18.3621,
55.9111

■ 12.9291, 8.9391,
54.4704

■ 23.9400, 22.9911,
56.6024

■ 11.7601, 7.1070,
54.1784

■ 28.5869, 28.4379,
57.4088

■ 11.4931, 6.6773,
54.1095

■ 34.0891, 34.7413,
58.3355

■ 40.4881, 41.9375,
59.3872

■ 47.8227, 50.0607,
60.5686

■ 56.1295, 59.1429,
61.8838

■ 65.4429, 69.2149,
63.3371

■ 75.7957, 80.3060,
64.9322

Harmonies

Analogous

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



12.1747, 14.5084, 57.7159



17.0267, 14.5084, 55.3291



21.9045, 14.5084, 39.5750

Triad

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



17.0267, 14.5084, 55.3291



20.6059, 14.5084, 3.1308



6.6433, 14.5084, 11.4518

Complementary

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



17.0267, 14.5084, 55.3291



37.1649, 38.2310, 10.4227

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.



7.9767, 14.5084, 4.1772



17.0267, 14.5084, 55.3291



15.5417, 14.5084, 1.5358

Square

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



17.0267, 14.5084, 55.3291



24.2760, 14.5084, 8.6454



10.9916, 14.5084, 1.7618



6.8647, 14.5084, 26.0897

Rectangle

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



17.0267, 14.5084, 55.3291



24.1716, 14.5084, 26.8858



10.9916, 14.5084, 1.7618



6.9098, 14.5084, 8.2735

Sweetspot

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



17.0274, 14.5088, 55.3295



67.9721, 70.0978, 104.5555



28.7479, 44.0618, 40.3940



13.8526, 14.2214, 22.2648



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



17.0274, 14.5088, 55.3295



24.2759, 17.8307, 96.7699



16.6818, 10.2291, 54.5216



10.2864, 10.7468, 13.4497



7.5358, 4.4654, 35.2091



0.4187, 0.3353, 1.6878

Inverse Universe

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



27.5286, 16.7269, 14.0898



44.8320, 24.4175, 15.5403



37.5506, 49.2257, 12.5246



10.7498, 10.6833, 11.6658



15.6030, 7.9908, 3.1195



0.7701, 0.3909, 0.3123

Previews

White Background



This preview shows how the XYZ color 17.0267, 14.5084, 55.3291 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 17.0267, 14.5084, 55.3291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

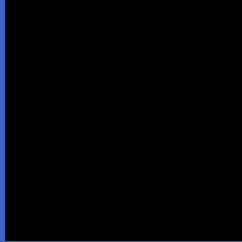
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0267, 14.5084, 55.3291

Background



This preview shows how black text looks on a background with the XYZ color 17.0267, 14.5084, 55.3291.



This preview shows how white text looks on a background with the XYZ color 17.0267, 14.5084,

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

17.0267, 14.5084, 55.3291

Protanopia

16.7438, 14.6275, 56.5845

Deuteranopia

14.6568, 14.4428, 50.7304



Tritanopia

10.3092, 14.4892, 22.3320

Trichromacy



Original Color

17.0267, 14.5084, 55.3291

Protanomaly

16.7475, 14.4961, 55.9482

Deuteranomaly

15.0539, 14.1476, 52.3894

Tritanomaly

11.9206, 14.0824, 32.2269

Monochromacy



Original Color

17.0267, 14.5084, 55.3291

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.1221, 13.1596, 25.1410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0267, 14.5084, 55.3291 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(65, 101, 198)` looks like.

```
.text, #text, p{  
    color:rgb(65, 101, 198)  
}
```

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(65, 101, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 101, 198) }
```

Border

The CSS property to change the border of an element to XYZ 17.0267, 14.5084, 55.3291 is called "border". The border property can be set on classes, ids or directly on the HTML element.

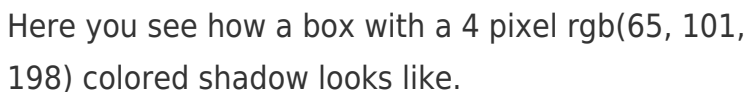
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(65, 101, 198) }
```


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

```
.border{ border-color:rgb(65, 101, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(65, 101, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 101, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 101, 198); box-shadow:4px 4px 4px 4px rgb(65, 101, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0267, 14.5084, 55.3291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 101, 198) }
```

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

```
.background{ background-color: rgb(65, 101,  
198) }
```

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