

Converting Colors

XYZ(14.6991, 15.4936, 35.5974)

Have a look what the booklet for
XYZ(14.6991, 15.4936, 35.5974)
contains.

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Color

**XYZ(14.6651, 15.4285,
35.4628)**

Conversions

Conversions Part 1

Format	Color
Hex	4670A0
RGB	70, 112, 160
RGB Percent	27%, 44%, 63%
CMY	0.7255, 0.5608, 0.3725
CMYK	0.56, 0.30, 0.00, 0.37
HSL	212°, 39%, 45%
HSV	212°, 56%, 63%
XYZ	14.6651, 15.4285, 35.4628
YIQ	104.9140, -40.4400, 6.0240

Conversions

Conversions Part 2

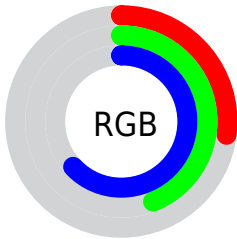
Format	Color
R_{YB}	70, 99, 160
Decimal	4616352
CIE _{Lab}	46.22, 0.00, -30.34
CIE _{LCh}	46, 30.337, 270.009
Yxy	15.4285, 0.2237, 0.2353
Android (android.graphics.Color)	4282806432 (0xFF4670A0)
YUV	104.9140, 27.1574, -30.6196
Hunter-Lab	39.2791, -2.0944, -26.0340

Details

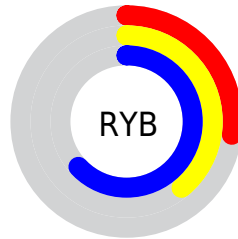
The XYZ color **14.6651, 15.4285, 35.4628** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.0817, 20.8734, 8.6601**, and the grayscale version is **13.3412, 14.0360, 15.2852**.

A 20% lighter version of the original color is **33.9986, 35.8172, 69.4115**, and **4.5971, 4.8633, 14.8838** is the 20% darker color. If you saturate the color by 10%, you get **12.7637, 13.1164, 35.1170**, and if you desaturate by 10%, it is **16.9644, 18.0788, 35.8535**.

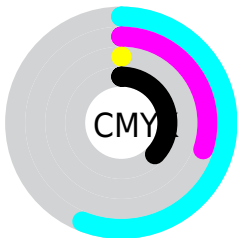
Distribution



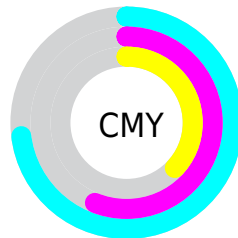
- Red (27%)
- Green (44%)
- Blue (63%)



- Red (27%)
- Yellow (39%)
- Blue (63%)



- Cyan (56%)
- Magenta (30%)
- Yellow (0%)
- Black (37%)



- Cyan (73%)
- Magenta (56%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6651, 15.4285, 35.4628 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 14.6651, 15.4285, 35.4628 by changing the saturation by 10% instead.

■ 14.6651, 15.4285,
35.4628

■ 14.6651, 15.4285,
35.4628

214.7589,
225.9454, 341.5725

■ 8.6695, 9.1207,
23.7332

■ 33.8411, 35.6032,
69.3618

■ 4.5816, 4.8200,
14.9255

■ 47.7522, 50.2388,
92.3682

■ 2.0361, 2.1420,
8.6210

■ 65.0324, 68.4191,
119.9707

■ 0.6541, 0.6881,
4.4014

■ 86.0472, 90.5286,
152.5878

■ 0.0000, 0.0000,
1.8480

■ 111.1619,
116.9515, 190.6380

■ 0.0000, 0.0000,
0.4594

140.7418,

■ 0.0000, 0.0000,

148.0724, 234.5398

0.0000

175.1524,
184.2755, 284.7118

■ 14.6651, 15.4285,
35.4628

■ 14.6651, 15.4285,
35.4628

■ 12.7637, 13.1164,
35.1170

■ 16.9644, 18.0788,
35.8535

■ 11.2310, 11.1229,
34.8130

■ 19.6845, 21.0817,
36.2897

■ 10.0361, 9.4285,
34.5490

■ 22.8485, 24.4529,
36.7737

■ 9.1354, 8.0068,
34.3220

■ 26.4772, 28.2064,
37.3069

■ 8.8387, 7.5250,
34.2447

■ 30.5900, 32.3552,
37.8910

■ 35.2052, 36.9120,
38.5272

■ 40.3400, 41.8884,
39.2172

■ 46.0109, 47.2960,
39.9620

■ 52.2334, 53.1455,
40.7631

Harmonies

Analogous

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



12.3147, 15.4285, 32.4141



14.6651, 15.4285, 35.4628



17.2968, 15.4285, 32.4107

Triad

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



14.6651, 15.4285, 35.4628



19.4098, 15.4285, 10.6314



10.7625, 15.4285, 10.6342

Complementary

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



14.6651, 15.4285, 35.4628



22.0817, 20.8734, 8.6601

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.



12.3135, 15.4285, 7.2326



14.6651, 15.4285, 35.4628



17.2953, 15.4285, 7.2314

Square

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



14.6651, 15.4285, 35.4628



20.2252, 15.4285, 16.7968



14.6636, 15.4285, 6.1970



10.2294, 15.4285, 16.8012

Rectangle

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



14.6651, 15.4285, 35.4628



18.8172, 15.4285, 27.7246



14.6636, 15.4285, 6.1970



11.1724, 15.4285, 9.2031

Sweetspot

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



14.6657, 15.4290, 35.4632



47.3212, 50.4440, 67.6291



18.3671, 27.7522, 21.5289



10.1001, 10.7777, 14.7916



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.6657, 15.4290, 35.4632



22.5533, 23.0293, 63.6430



11.2836, 8.3355, 34.2722



6.5271, 6.9200, 8.3984



6.9285, 5.9486, 26.6903



0.1659, 0.1903, 0.4912

Inverse Universe

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



19.6125, 13.0243, 16.8100



32.7808, 19.5584, 24.7411



27.5813, 32.7523, 10.6631



6.7554, 6.6951, 7.5631



12.2954, 6.2227, 5.8066



0.2410, 0.1197, 0.2154

Previews

White Background



This preview shows how the XYZ color 14.6651, 15.4285, 35.4628 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 14.6651, 15.4285, 35.4628 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 14.6651, 15.4285, 35.4628

Background



This preview shows how black text looks on a background with the XYZ color 14.6651, 15.4285, 35.4628.

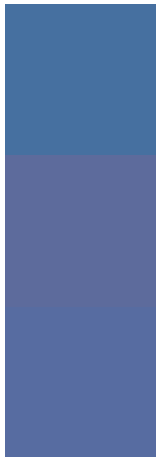


This preview shows how white text looks on a background with the XYZ color 14.6651, 15.4285,

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

14.6651, 15.4285, 35.4628

Protanopia

15.7726, 15.2428, 33.5633

Deuteranopia

15.7261, 15.3246, 35.8473



Tritanopia

12.0621, 15.3852, 22.7560

Trichromacy



Original Color

14.6651, 15.4285, 35.4628

Protanomaly

15.3008, 15.3029, 34.0456

Deuteranomaly

15.2950, 15.2598, 35.8575

Tritanomaly

12.9656, 15.4084, 27.1017

Monochromacy



Original Color

14.6651, 15.4285, 35.4628

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.4779, 14.4811, 21.4868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6651, 15.4285, 35.4628 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(70, 112, 160)` looks like.

```
.text, #text, p{  
    color:rgb(70, 112, 160)  
}
```

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(70, 112, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 112, 160) }
```

Border

The CSS property to change the border of an element to XYZ 14.6651, 15.4285, 35.4628 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(70, 112, 160) }
```


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

```
.border{ border-color:rgb(70, 112, 160) }
```

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

Here you see how a box with a 4 pixel rgb(70, 112, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 112, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 112, 160);  
box-shadow:4px 4px 4px 4px rgb(70, 112,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6651, 15.4285, 35.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 112, 160) }
```

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

```
.background{ background-color: rgb(70, 112,  
160) }
```

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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