

Converting Colors

XYZ(14.8864, 16.3845, 35.6356)

Have a look what the booklet for
XYZ(14.8864, 16.3845, 35.6356)
contains.

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Color

**XYZ(14.8864, 16.3845,
35.6356)**

Conversions

Conversions Part 1

Format	Color
Hex	4175A0
RGB	65, 117, 160
RGB Percent	25%, 46%, 63%
CMY	0.7451, 0.5412, 0.3725
CMYK	0.59, 0.27, 0.00, 0.37
HSL	207°, 42%, 44%
HSV	207°, 59%, 63%
XYZ	14.8864, 16.3845, 35.6356
YIQ	106.3540, -44.7950, 2.3490

Conversions

Conversions Part 2

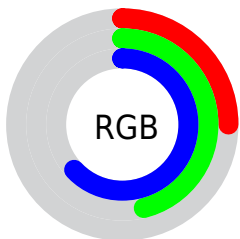
Format	Color
R_{YB}	65, 99, 160
Decimal	4289952
CIE _{Lab}	47.47, -4.08, -28.39
CIE _{LCh}	47, 28.680, 261.819
Yxy	16.3845, 0.2225, 0.2449
Android (android.graphics.Color)	4282480032 (0xFF4175A0)
YUV	106.3540, 26.4475, -36.2675
Hunter-Lab	40.4778, -5.1896, -23.8630

Details

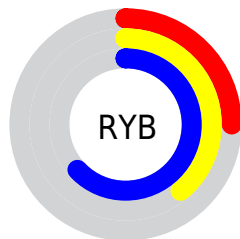
The XYZ color **14.8864, 16.3845, 35.6356** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **20.8144, 18.5810, 7.4911**, and the grayscale version is **13.7357, 14.4510, 15.7372**.

A 20% lighter version of the original color is **34.1994, 37.2753, 69.6823**, and **4.8349, 5.3390, 14.9631** is the 20% darker color. If you saturate the color by 10%, you get **13.1621, 14.2913, 35.3228**, and if you desaturate by 10%, it is **16.9772, 18.7642, 35.9850**.

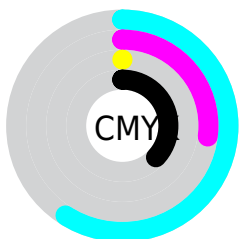
Distribution



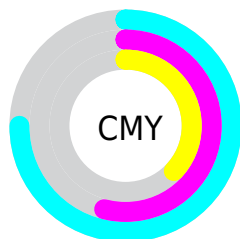
- Red (25%)
- Green (46%)
- Blue (63%)



- Red (25%)
- Yellow (39%)
- Blue (63%)



- Cyan (59%)
- Magenta (27%)
- Yellow (0%)
- Black (37%)



- Cyan (75%)
- Magenta (54%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8864, 16.3845, 35.6356 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 14.8864, 16.3845, 35.6356 by changing the saturation by 10% instead.

■ 14.8864, 16.3845,
35.6356

■ 14.8864, 16.3845,
35.6356

216.0796,
231.6000, 342.3541

■ 8.8255, 9.7966,
23.8654

■ 34.2271, 37.2644,
69.6320

■ 4.6837, 5.2643,
15.0226

■ 48.2375, 52.3253,
92.6952

■ 2.0958, 2.4032,
8.6884

■ 65.6286, 70.9793,
120.3599

■ 0.6869, 0.8275,
4.4445

■ 86.7655, 93.6108,
153.0446

■ 0.0000, 0.0000,
1.8722

■ 112.0137,
120.6043, 191.1679

■ 0.0000, 0.0000,
0.4750

141.7386,

■ 0.0000, 0.0000,

152.3440, 235.1482

0.0000

176.3054,
189.2145, 285.4041

■ 14.8864, 16.3845,
35.6356

■ 14.8864, 16.3845,
35.6356

■ 13.1621, 14.2913,
35.3228

■ 16.9772, 18.7642,
35.9850

■ 11.7749, 12.4663,
35.0436

■ 19.4572, 21.4432,
36.3714

■ 10.6935, 10.8914,
34.7966

■ 22.3492, 24.4358,
36.7966

■ 9.8502, 9.5295,
34.5782

■ 25.6735, 27.7543,
37.2620

■ 9.8005, 9.4486,
34.5652

■ 29.4491, 31.4104,
37.7687

■ 33.6939, 35.4153,
38.3180

■ 38.4245, 39.7793,
38.9110

■ 43.6568, 44.5124,
39.5488

■ 49.4061, 49.6243,
40.2325

Harmonies

Analogous

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



12.7376, 16.3845, 31.2921



14.8864, 16.3845, 35.6356



17.4650, 16.3845, 34.2858

Triad

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



14.8864, 16.3845, 35.6356



20.5764, 16.3845, 13.1182



12.0318, 16.3845, 10.4986

Complementary

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



14.8864, 16.3845, 35.6356



20.8144, 18.5810, 7.4911

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.



13.8227, 16.3845, 7.7299



14.8864, 16.3845, 35.6356



18.8007, 16.3845, 8.9301

Square

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



14.8864, 16.3845, 35.6356



20.9409, 16.3845, 19.9112



16.2803, 16.3845, 7.2468



11.2110, 16.3845, 15.9175

Rectangle

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



14.8864, 16.3845, 35.6356



19.0720, 16.3845, 30.4672



16.2803, 16.3845, 7.2468



12.5304, 16.3845, 9.2957

Sweetspot

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



14.8870, 16.3851, 35.6360



47.2801, 51.0456, 67.7474



17.4448, 27.3432, 18.4767



9.9824, 10.8145, 14.8049



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.



14.8870, 16.3851, 35.6360



23.0817, 24.9058, 63.9773



10.7002, 8.0116, 34.2404



6.5705, 7.0067, 8.4128



7.6788, 7.4492, 26.9404



0.1793, 0.2172, 0.4957

Inverse Universe

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



19.5989, 12.5391, 18.2175



32.8474, 18.8190, 27.4537



27.2147, 31.3816, 9.6245



6.7773, 6.7038, 7.6784



12.6741, 6.3742, 7.8009



0.2478, 0.1224, 0.2511

Previews

White Background



This preview shows how the XYZ color 14.8864, 16.3845, 35.6356 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 14.8864, 16.3845, 35.6356 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 14.8864, 16.3845, 35.6356

Background



This preview shows how black text looks on a background with the XYZ color 14.8864, 16.3845, 35.6356.

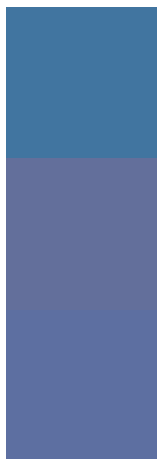


This preview shows how white text looks on a background with the XYZ color 14.8864, 16.3845,

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

14.8864, 16.3845, 35.6356

Protanopia

16.7464, 16.3881, 33.2909

Deuteranopia

16.6317, 16.2692, 35.9819



Tritanopia

12.5926, 16.3419, 24.3204

Trichromacy



Original Color

14.8864, 16.3845, 35.6356

Protanomaly

15.9214, 16.2708, 34.1997

Deuteranomaly

15.9054, 16.2225, 36.0112

Tritanomaly

13.2863, 16.2558, 28.0286

Monochromacy



Original Color

14.8864, 16.3845, 35.6356

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

13.6562, 14.8824, 21.8915

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8864, 16.3845, 35.6356 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, 117, 160)` looks like.

```
.text, #text, p{  
    color:rgb(65, 117, 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(65, 117, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 117, 160) }
```

Border

The CSS property to change the border of an element to XYZ 14.8864, 16.3845, 35.6356 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, 117, 160) }
```


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

```
.border{ border-color:rgb(65, 117, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 117, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 117, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 117, 160);  
box-shadow:4px 4px 4px 4px rgb(65, 117,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8864, 16.3845, 35.6356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 117, 160) }
```

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

```
.background{ background-color: rgb(65, 117,  
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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