

Converting Colors

XYZ(16.3631, 16.0150, 43.2771)

Have a look what the booklet for
XYZ(16.3631, 16.0150, 43.2771)
contains.

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Color

**XYZ(16.3450, 15.9593,
43.2933)**

Conversions

Conversions Part 1

Format	Color
Hex	4A6FB0
RGB	74, 111, 176
RGB Percent	29%, 44%, 69%
CMY	0.7098, 0.5647, 0.3098
CMYK	0.58, 0.37, 0.00, 0.31
HSL	218°, 41%, 49%
HSV	218°, 58%, 69%
XYZ	16.3450, 15.9593, 43.2933
YIQ	107.3470, -42.9170, 12.3710

Conversions

Conversions Part 2

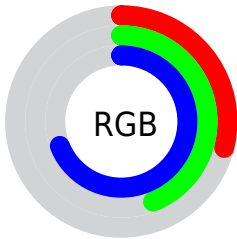
Format	Color
R_{YB}	74, 101, 176
Decimal	4878256
CIE _{Lab}	46.92, 6.84, -38.58
CIE _{LCh}	47, 39.184, 280.047
Yxy	15.9593, 0.2162, 0.2111
Android (android.graphics.Color)	4283068336 (0xFF4A6FB0)
YUV	107.3470, 33.8459, -29.2453
Hunter-Lab	39.9491, 3.1216, -36.2889

Details

The XYZ color **16.3450, 15.9593, 43.2933** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **28.3743, 28.1915, 10.4256**, and the grayscale version is **13.9895, 14.7181, 16.0280**.

A 20% lighter version of the original color is **36.6917, 36.4127, 81.4384**, and **5.4085, 5.0969, 19.4376** is the 20% darker color. If you saturate the color by 10%, you get **14.0268, 13.0603, 42.8562**, and if you desaturate by 10%, it is **19.1972, 19.3622, 43.8001**.

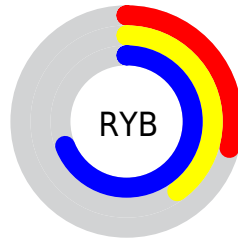
Distribution



Red (29%)

Green (44%)

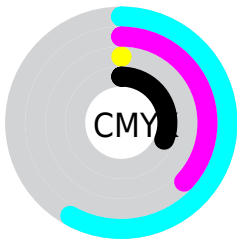
Blue (69%)



Red (29%)

Yellow (40%)

Blue (69%)

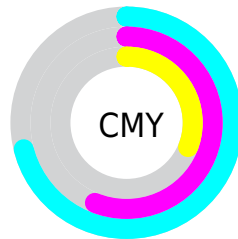


Cyan (58%)

Magenta (37%)

Yellow (0%)

Black (31%)



Cyan (71%)

Magenta (56%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3450, 15.9593, 43.2933 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 16.3450, 15.9593, 43.2933 by changing the saturation by 10% instead.

■ 16.3450, 15.9593,
43.2933

■ 16.3450, 15.9593,
43.2933

224.5996,
229.1014, 375.7732

■ 9.8610, 9.4954,
29.7822

■ 36.7487, 36.5275,
81.4444

■ 5.3685, 5.0657,
19.4227

■ 51.3992, 51.4006,
106.9214

■ 2.5020, 2.2858,
11.7962

■ 69.5025, 69.8455,
137.2242

■ 0.8963, 0.7662,
6.4842

■ 91.4241, 92.2467,
172.7713

■ 0.0000, 0.0000,
3.0682

■ 117.5292,
118.9884, 213.9812

■ 0.0000, 0.0000,
1.1296

148.1832,

■ 0.0000, 0.0000,

150.4552, 261.2724

0.0000

183.7516,
187.0314, 315.0636

■ 16.3450, 15.9593,
43.2933

■ 16.3450, 15.9593,
43.2933

■ 14.0268, 13.0603,
42.8562

■ 19.1972, 19.3622,
43.8001

■ 12.2025, 10.6354,
42.4843

■ 22.6156, 23.2930,
44.3787

■ 10.8288, 8.6535,
42.1742

■ 26.6321, 27.7757,
45.0322

■ 9.8379, 7.0703,
41.9208

■ 31.2752, 32.8326,
45.7636

■ 9.6608, 6.7832,
41.8748

■ 36.5719, 38.4843,
46.5753

■ 42.5473, 44.7505,
47.4699

■ 49.2251, 51.6499,
48.4496

■ 56.6281, 59.2004,
49.5168

■ 64.7777, 67.4191,
50.6737

Harmonies

Analogous

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



13.0341, 15.9593, 41.7652



16.3450, 15.9593, 43.2933



19.8045, 15.9593, 36.1439

Triad

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



16.3450, 15.9593, 43.2933



20.7790, 15.9593, 7.8593



9.7901, 15.9593, 11.7110

Complementary

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



16.3450, 15.9593, 43.2933



28.3743, 28.1915, 10.4256

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.



11.3196, 15.9593, 6.5810



16.3450, 15.9593, 43.2933



17.5248, 15.9593, 5.0069

Square

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



16.3450, 15.9593, 43.2933



22.6073, 15.9593, 14.2947



14.0505, 15.9593, 4.6487



9.5723, 15.9593, 20.8733

Rectangle

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



16.3450, 15.9593, 43.2933



21.6082, 15.9593, 28.5755



14.0505, 15.9593, 4.6487



10.1556, 15.9593, 9.5692

Sweetspot

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



16.3456, 15.9598, 43.2937



57.3138, 60.1837, 83.0912



22.9812, 34.3595, 29.6950



12.0429, 12.6353, 17.9485



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



16.3456, 15.9598, 43.2937



24.2614, 22.1547, 77.4929



14.2730, 10.0885, 42.2697



8.2859, 8.7180, 10.7524



7.1396, 5.0796, 30.7412



0.2813, 0.2732, 0.9861

Inverse Universe

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



23.2231, 15.2763, 16.7639



38.4304, 22.5136, 22.4399



31.7437, 39.2689, 12.3862



8.6195, 8.5545, 9.4948



13.8384, 7.0529, 4.3090



0.4640, 0.2334, 0.2862

Previews

White Background



This preview shows how the XYZ color 16.3450, 15.9593, 43.2933 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 16.3450, 15.9593, 43.2933 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

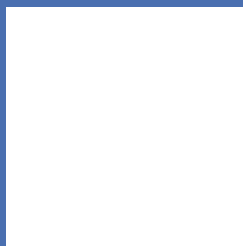
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.3450, 15.9593, 43.2933

Background



This preview shows how black text looks on a background with the XYZ color 16.3450, 15.9593, 43.2933.

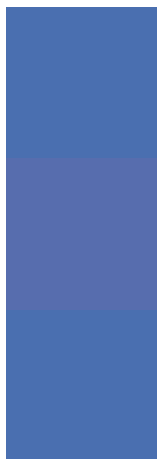


This preview shows how white text looks on a background with the XYZ color 16.3450, 15.9593,

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

16.3450, 15.9593, 43.2933

Protanopia

17.0391, 16.0195, 42.2384

Deuteranopia

16.3450, 15.9593, 43.2933



Tritanopia

12.3213, 15.8569, 23.5304

Trichromacy



Original Color

16.3450, 15.9593, 43.2933

Protanomaly

16.7935, 16.0408, 42.7685

Deuteranomaly

16.3450, 15.9593, 43.2933

Tritanomaly

13.6144, 15.8533, 29.9462

Monochromacy



Original Color

16.3450, 15.9593, 43.2933

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.2467, 14.8240, 23.9402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3450, 15.9593, 43.2933 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(74, 111, 176)` looks like.

```
.text, #text, p{  
    color:rgb(74, 111, 176)  
}
```

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(74, 111, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 111, 176) }
```

Border

The CSS property to change the border of an element to XYZ 16.3450, 15.9593, 43.2933 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(74, 111, 176) }
```


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

```
.border{ border-color:rgb(74, 111, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 111, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 111, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 111, 176);  
box-shadow:4px 4px 4px 4px rgb(74, 111,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3450, 15.9593, 43.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 111, 176) }
```

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

```
.background{ background-color: rgb(74, 111,  
176) }
```

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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