

Converting Colors

XYZ(16.5100, 15.2180, 46.8755)

Have a look what the booklet for
XYZ(16.5100, 15.2180, 46.8755)
contains.

XYZ(16.4489, 15.1434, 46.8558)	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(16.4489, 15.1434,
46.8558)**

Conversions

Conversions Part 1

Format	Color
Hex	496AB7
RGB	73, 106, 183
RGB Percent	29%, 42%, 72%
CMY	0.7137, 0.5843, 0.2824
CMYK	0.60, 0.42, 0.00, 0.28
HSL	222°, 43%, 50%
HSV	222°, 60%, 72%
XYZ	16.4489, 15.1434, 46.8558
YIQ	104.9110, -44.3850, 16.9510

Conversions

Conversions Part 2

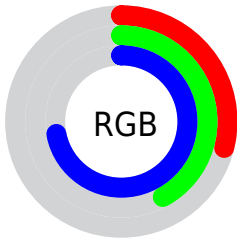
Format	Color
R_{YB}	73, 98, 183
Decimal	4811447
CIE _{Lab}	45.83, 12.13, -44.39
CIE _{LCh}	46, 46.019, 285.279
Yxy	15.1434, 0.2097, 0.1930
Android (android.graphics.Color)	4283001527 (0xFF496AB7)
YUV	104.9110, 38.4979, -27.9859
Hunter-Lab	38.9145, 7.3503, -44.1491

Details

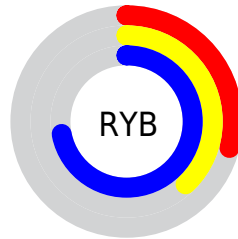
The XYZ color **16.4489, 15.1434, 46.8558** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **31.6385, 32.3627, 10.8834**, and the grayscale version is **13.3116, 14.0048, 15.2512**.

A 20% lighter version of the original color is **36.8429, 35.0918, 86.4929**, and **5.5264, 4.7129, 21.3873** is the 20% darker color. If you saturate the color by 10%, you get **14.0379, 12.0851, 46.3929**, and if you desaturate by 10%, it is **19.4663, 18.8075, 47.4043**.

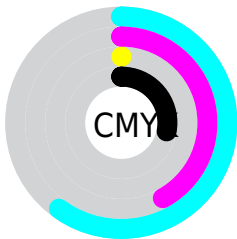
Distribution



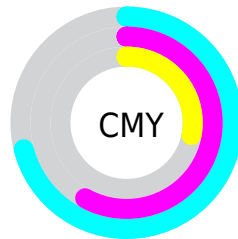
- Red (29%)
- Green (42%)
- Blue (72%)



- Red (29%)
- Yellow (38%)
- Blue (72%)



- Cyan (60%)
- Magenta (42%)
- Yellow (0%)
- Black (28%)



- Cyan (71%)
- Magenta (58%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4489, 15.1434, 46.8558 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 16.4489, 15.1434, 46.8558 by changing the saturation by 10% instead.

■ 16.4489, 15.1434,
46.8558

■ 16.4489, 15.1434,
46.8558

225.1949,
224.2325, 390.6157

■ 9.9352, 8.9201,
32.5681

■ 36.9270, 35.1045,
86.8461

■ 5.4180, 4.6891,
21.5274

■ 51.6221, 49.6112,
113.3858

■ 2.5318, 2.0660,
13.3151

■ 69.7750, 67.6477,
144.8465

■ 0.9113, 0.6454,
7.5126

■ 91.7512, 89.5985,
181.6469

■ 0.0000, 0.0000,
3.7014

■ 117.9159,
115.8480, 224.2055

■ 0.0000, 0.0000,
1.4630

148.6345,

■ 0.0000, 0.0000,

146.7806, 272.9408

0.1901

184.2724,
182.7806, 328.2714

■ 0.0000, 0.0000,
0.0000

■ 16.4489, 15.1434,
46.8558

■ 16.4489, 15.1434,
46.8558

■ 14.0379, 12.0851,
46.3929

■ 19.4663, 18.8075,
47.4043

■ 12.1857, 9.5945,
46.0098

■ 23.1288, 23.1089,
48.0415

■ 10.8399, 7.6309,
45.7017

■ 27.4741, 28.0786,
48.7718

■ 9.9085, 6.1414,
45.4633

■ 32.5361, 33.7451,
49.5987

■ 38.3465, 40.1349,
50.5258

■ 44.9350, 47.2734,
51.5564

■ 52.3298, 55.1844,
52.6937

■ 60.5573, 63.8907,
53.9405

■ 69.6431, 73.4144,
55.2999

Harmonies

Analogous

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



12.5806, 15.1434, 46.9638



16.4489, 15.1434, 46.8558



20.3677, 15.1434, 36.5403

Triad

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



16.4489, 15.1434, 46.8558



20.3031, 15.1434, 5.4941



8.3194, 15.1434, 11.6358

Complementary

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



16.4489, 15.1434, 46.8558



31.6385, 32.3627, 10.8834

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.



9.7190, 15.1434, 5.5650



16.4489, 15.1434, 46.8558



16.3724, 15.1434, 3.2587

Square

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



16.4489, 15.1434, 46.8558



22.8504, 15.1434, 11.4774



12.5166, 15.1434, 3.2770



8.3324, 15.1434, 22.7800

Rectangle

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



16.4489, 15.1434, 46.8558



22.2839, 15.1434, 27.1278



12.5166, 15.1434, 3.2770



8.6274, 15.1434, 9.0737

Sweetspot

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



16.4495, 15.1439, 46.8562



60.0530, 62.4095, 89.1168



25.1869, 37.4860, 34.7631



12.6362, 13.0886, 19.5820



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



16.4495, 15.1439, 46.8562



24.0160, 20.1635, 82.8619



15.6500, 10.6178, 46.0247



8.7349, 9.1470, 11.3846



6.9657, 4.3911, 31.7335



0.3015, 0.2667, 1.1373

Inverse Universe

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



24.5131, 15.8738, 15.4079



40.1945, 23.2730, 19.3957



32.8347, 41.9256, 12.6661



9.1125, 9.0554, 9.9400



14.1297, 7.2256, 3.3036



0.5264, 0.2660, 0.2652

Previews

White Background



This preview shows how the XYZ color 16.4489, 15.1434, 46.8558 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 16.4489, 15.1434, 46.8558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

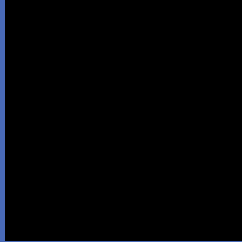
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4489, 15.1434, 46.8558

Background



This preview shows how black text looks on a background with the XYZ color 16.4489, 15.1434, 46.8558.

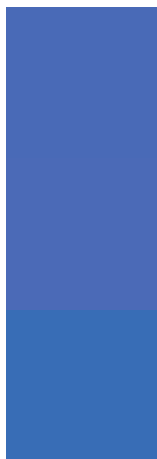


This preview shows how white text looks on a background with the XYZ color 16.4489, 15.1434,

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

16.4489, 15.1434, 46.8558

Protanopia

16.6029, 15.2228, 46.8630

Deuteranopia

15.5430, 15.1554, 46.3621



Tritanopia

11.5936, 15.1438, 22.7341

Trichromacy



Original Color

16.4489, 15.1434, 46.8558

Protanomaly

16.5253, 15.1828, 46.8593

Deuteranomaly

15.7927, 15.1267, 46.3433

Tritanomaly

13.0500, 15.0426, 30.2327

Monochromacy



Original Color

16.4489, 15.1434, 46.8558

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

13.7994, 14.1238, 24.1892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4489, 15.1434, 46.8558 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(73, 106, 183)` looks like.

```
.text, #text, p{  
    color:rgb(73, 106, 183)  
}
```

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(73, 106, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 106, 183) }
```

Border

The CSS property to change the border of an element to XYZ 16.4489, 15.1434, 46.8558 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(73, 106, 183) }
```


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

```
.border{ border-color:rgb(73, 106, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 106, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 106, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 106, 183);  
box-shadow:4px 4px 4px 4px rgb(73, 106,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4489, 15.1434, 46.8558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 106, 183) }
```

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

```
.background{ background-color: rgb(73, 106,  
183) }
```

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