

Converting Colors

XYZ(15.1029, 15.5947, 32.6934)

Have a look what the booklet for
XYZ(15.1029, 15.5947, 32.6934)
contains.

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Color

**XYZ(15.0845, 15.5410,
32.7765)**

Conversions

Conversions Part 1

Format	Color
Hex	536F9A
RGB	83, 111, 154
RGB Percent	33%, 44%, 60%
CMY	0.6745, 0.5647, 0.3961
CMYK	0.46, 0.28, 0.00, 0.40
HSL	216°, 30%, 46%
HSV	216°, 46%, 60%
XYZ	15.0845, 15.5410, 32.7765
YIQ	107.5300, -30.4910, 7.4370

Conversions

Conversions Part 2

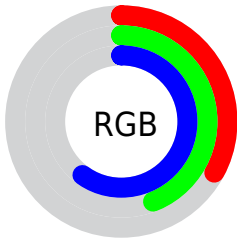
Format	Color
R _Y B	83, 103, 154
Decimal	5468058
CIE Lab	46.37, 1.89, -26.51
CIE LCh	46, 26.578, 274.071
Yxy	15.5410, 0.2379, 0.2451
Android (android.graphics.Color)	4283658138 (0xFF536F9A)
YUV	107.5300, 22.9097, -21.5128
Hunter-Lab	39.4221, -0.6872, -21.6997

Details

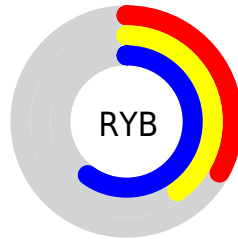
The XYZ color **15.0845, 15.5410, 32.7765** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **22.3492, 22.4170, 11.3334**, and the grayscale version is **14.0672, 14.7998, 16.1170**.

A 20% lighter version of the original color is **34.5823, 35.6784, 65.3855**, and **4.8170, 4.9221, 13.5281** is the 20% darker color. If you saturate the color by 10%, you get **12.9086, 12.9868, 32.3985**, and if you desaturate by 10%, it is **17.6696, 18.4645, 33.2048**.

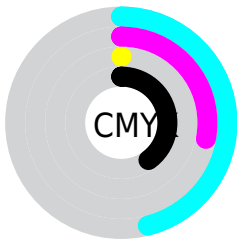
Distribution



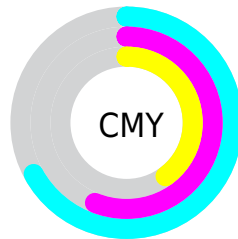
- Red (33%)
- Green (44%)
- Blue (60%)



- Red (33%)
- Yellow (40%)
- Blue (60%)



- Cyan (46%)
- Magenta (28%)
- Yellow (0%)
- Black (40%)



- Cyan (67%)
- Magenta (56%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0845, 15.5410, 32.7765 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 15.0845, 15.5410, 32.7765 by changing the saturation by 10% instead.

■ 15.0845, 15.5410,
32.7765

■ 15.0845, 15.5410,
32.7765

■ 217.2554,
226.6178, 329.2425

■ 8.9654, 9.1999,
21.6856

■ 34.5718, 35.7995,
65.1384

■ 4.7756, 4.8718,
13.4299

■ 48.6707, 50.4857,
87.2465

■ 2.1496, 2.1723,
7.5911

■ 66.1603, 68.7225,
113.8640

■ 0.7160, 0.7048,
3.7504

■ 87.4058, 90.8942,
145.4095

■ 0.0000, 0.0000,
1.4894

■ 112.7728,
117.3851, 182.3016

■ 0.0000, 0.0000,
0.2100

142.6264,

■ 0.0000, 0.0000,

148.5798, 224.9588

0.0000

177.3322,
184.8625, 273.7996

■ 15.0845, 15.5410,
32.7765

■ 15.0845, 15.5410,
32.7765

■ 12.9086, 12.9868,
32.3985

■ 17.6696, 18.4645,
33.2048

■ 11.1168, 10.7833,
32.0676

■ 20.6836, 21.7712,
33.6842

■ 9.6836, 8.9125,
31.7820

■ 24.1472, 25.4764,
34.2169

■ 8.5791, 7.3538,
31.5394

■ 28.0787, 29.5940,
34.8044

■ 7.7621, 6.0802,
31.3366

■ 32.4957, 34.1370,
35.4485

■ 7.4872, 5.6420,
31.2665

■ 37.4148, 39.1180,
36.1507

■ 42.8518, 44.5488,
36.9124

■ 48.8215, 50.4410,
37.7350

■ 55.3385, 56.8055,
38.6200

Harmonies

Analogous

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



12.9372, 15.5410, 30.9001



15.0845, 15.5410, 32.7765



17.3642, 15.5410, 29.5882

Triad

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



15.0845, 15.5410, 32.7765



18.7057, 15.5410, 10.8206



11.1710, 15.5410, 12.0067

Complementary

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



15.0845, 15.5410, 32.7765



22.3492, 22.4170, 11.3334

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.



12.4502, 15.5410, 8.5107



15.0845, 15.5410, 32.7765



16.7709, 15.5410, 7.9597

Square

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



15.0845, 15.5410, 32.7765



19.5865, 15.5410, 16.0462



14.4624, 15.5410, 7.2379



10.8179, 15.5410, 17.8281

Rectangle

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



15.0845, 15.5410, 32.7765



18.6105, 15.5410, 25.4035



14.4624, 15.5410, 7.2379



11.5000, 15.5410, 10.5752

Sweetspot

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



15.0850, 15.5416, 32.7769



45.1012, 47.5852, 62.3441



18.8636, 26.4467, 23.7147



9.8976, 10.4424, 14.0643



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



15.0850, 15.5416, 32.7769



23.4489, 23.5909, 58.8539



13.1528, 10.6990, 31.9440



6.0743, 6.4060, 7.8453



6.1330, 4.6626, 25.4844



0.1256, 0.1376, 0.3923

Inverse Universe

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



19.2894, 14.2049, 16.7646



32.2473, 21.6338, 25.1572



25.1320, 29.9299, 12.6368



6.3046, 6.2610, 6.9843



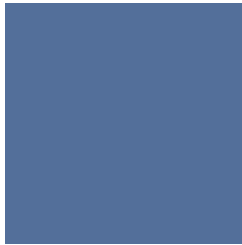
11.5544, 5.8760, 4.1785



0.1899, 0.0947, 0.1527

Previews

White Background



This preview shows how the XYZ color 15.0845, 15.5410, 32.7765 looks on a white background.

Color Contrast Check

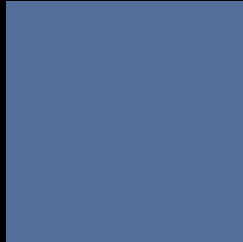
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0845, 15.5410, 32.7765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

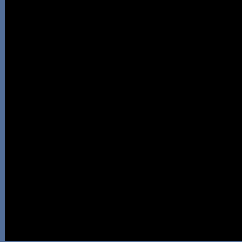
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.0845, 15.5410, 32.7765

Background



This preview shows how black text looks on a background with the XYZ color 15.0845, 15.5410, 32.7765.

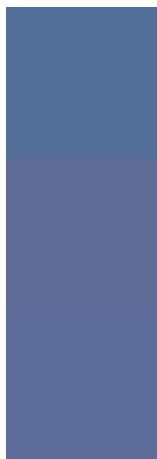


This preview shows how white text looks on a background with the XYZ color 15.0845, 15.5410,

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

15.0845, 15.5410, 32.7765

Protanopia

15.8539, 15.4789, 31.8579

Deuteranopia

15.7932, 15.4188, 33.1541



Tritanopia

12.9129, 15.4930, 22.0485

Trichromacy



Original Color

15.0845, 15.5410, 32.7765

Protanomaly

15.5328, 15.4613, 32.3027

Deuteranomaly

15.5049, 15.4277, 33.1710

Tritanomaly

13.6031, 15.4319, 25.5542

Monochromacy



Original Color

15.0845, 15.5410, 32.7765

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.3159, 15.0706, 21.5564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0845, 15.5410, 32.7765 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(83, 111, 154)` looks like.

```
.text, #text, p{  
    color:rgb(83, 111, 154)  
}
```

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(83, 111, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 111, 154) }
```

Border

The CSS property to change the border of an element to XYZ 15.0845, 15.5410, 32.7765 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(83, 111, 154) }
```


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

```
.border{ border-color:rgb(83, 111, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 111, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 111, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 111, 154);  
box-shadow:4px 4px 4px 4px rgb(83, 111,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0845, 15.5410, 32.7765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 111, 154) }
```

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

```
.background{ background-color: rgb(83, 111,  
154) }
```

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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