

Converting Colors

XYZ(15.3858, 13.5700, 40.6543)

Have a look what the booklet for
XYZ(15.3858, 13.5700, 40.6543)
contains.

XYZ(15.3814, 13.5529, 40.8350)	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(15.3814, 13.5529,
40.8350)**

Conversions

Conversions Part 1

Format	Color
Hex	5362AC
RGB	83, 98, 172
RGB Percent	33%, 38%, 67%
CMY	0.6745, 0.6157, 0.3255
CMYK	0.52, 0.43, 0.00, 0.33
HSL	230°, 35%, 50%
HSV	230°, 52%, 67%
XYZ	15.3814, 13.5529, 40.8350
YIQ	101.9510, -32.6940, 19.8340

Conversions

Conversions Part 2

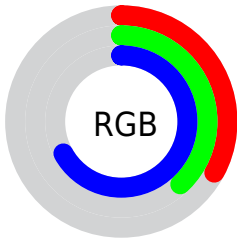
Format	Color
R _Y B	83, 96, 172
Decimal	5464748
CIE Lab	43.58, 15.64, -41.50
CIE LCh	44, 44.347, 290.653
Yxy	13.5529, 0.2205, 0.1943
Android (android.graphics.Color)	4283654828 (0xFF5362AC)
YUV	101.9510, 34.5342, -16.6200
Hunter-Lab	36.8143, 10.1543, -39.9955

Details

The XYZ color **15.3814, 13.5529, 40.8350** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **30.6326, 33.5108, 13.0383**, and the grayscale version is **12.5359, 13.1887, 14.3625**.

A 20% lighter version of the original color is **35.0747, 32.1845, 77.7624**, and **4.9111, 3.9701, 17.9602** is the 20% darker color. If you saturate the color by 10%, you get **12.8271, 10.4241, 40.3660**, and if you desaturate by 10%, it is **18.5523, 17.3549, 41.4020**.

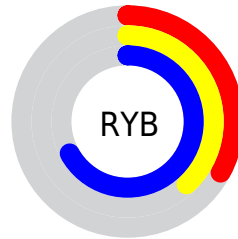
Distribution



Red (33%)

Green (38%)

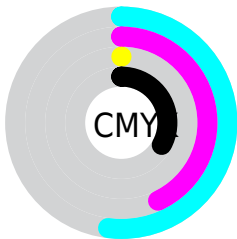
Blue (67%)



Red (33%)

Yellow (38%)

Blue (67%)

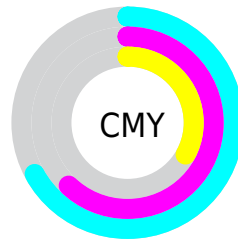


Cyan (52%)

Magenta (43%)

Yellow (0%)

Black (33%)



Cyan (67%)

Magenta (62%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3814, 13.5529, 40.8350 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 15.3814, 13.5529, 40.8350 by changing the saturation by 10% instead.

■ 15.3814, 13.5529,
40.8350

■ 15.3814, 13.5529,
40.8350

219.0062,
214.4314, 365.2867

■ 9.1756, 7.8104,
27.8715

■ 35.0871, 32.2936,
77.6843

■ 4.9139, 3.9738,
17.9906

■ 49.3176, 46.0605,
102.4071

■ 2.2311, 1.6589,
10.7739

■ 66.9538, 63.2711,
131.8868

■ 0.7590, 0.3969,
5.8027

■ 88.3609, 84.3096,
166.5419

■ 0.0000, 0.0000,
2.6587

113.9043,
109.5605, 206.7908

■ 0.0000, 0.0000,
0.9225

143.9495,

■ 0.0000, 0.0000,

139.4081, 253.0523

0.0000

178.8616,
174.2370, 305.7447

■ 15.3814, 13.5529,
40.8350

■ 15.3814, 13.5529,
40.8350

■ 12.8271, 10.4241,
40.3660

■ 18.5523, 17.3549,
41.4020

■ 10.8467, 7.9271,
39.9884

■ 22.3755, 21.8654,
42.0711

■ 9.3945, 6.0177,
39.6964

■ 26.8858, 27.1189,
42.8474

■ 8.4166, 4.6452,
39.4830

■ 32.1149, 33.1472,
43.7354

■ 7.8854, 3.8565,
39.3588

■ 38.0928, 39.9802,
44.7392

■ 44.8475, 47.6462,
45.8629

■ 52.4057, 56.1722,
47.1102

■ 60.7927, 65.5838,
48.4848

■ 70.0328, 75.9056,
49.9901

Harmonies

Analogous

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



11.8280, 13.5529, 42.7858



15.3814, 13.5529, 40.8350



18.7615, 13.5529, 30.4919

Triad

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



15.3814, 13.5529, 40.8350



17.5924, 13.5529, 4.3628



7.3555, 13.5529, 11.8655

Complementary

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



15.3814, 13.5529, 40.8350



30.6326, 33.5108, 13.0383

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.



8.3798, 13.5529, 5.6540



15.3814, 13.5529, 40.8350



13.9961, 13.5529, 2.7916

Square

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



15.3814, 13.5529, 40.8350



20.1888, 13.5529, 8.9906



10.6685, 13.5529, 3.1252



7.5922, 13.5529, 22.5755

Rectangle

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



15.3814, 13.5529, 40.8350



20.2591, 13.5529, 22.0365



10.6685, 13.5529, 3.1252



7.5557, 13.5529, 9.2879

Sweetspot

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



15.3819, 13.5534, 40.8353



53.7838, 54.9851, 78.5842



24.2944, 33.7341, 36.5436



11.2835, 11.4825, 17.0093



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



15.3819, 13.5534, 40.8353



22.7183, 18.2243, 73.1260



17.1192, 12.5575, 40.5516



7.6839, 7.9672, 10.0855



5.8965, 2.9269, 29.2987



0.1961, 0.1456, 0.8258

Inverse Universe

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



22.3117, 15.8399, 13.4370



36.8796, 23.5492, 16.9895



27.7841, 36.0428, 13.6772



8.0583, 8.0366, 8.6177



12.8399, 6.5985, 1.5366



0.3734, 0.1900, 0.1281

Previews

White Background



This preview shows how the XYZ color 15.3814, 13.5529, 40.8350 looks on a white background.

Color Contrast Check

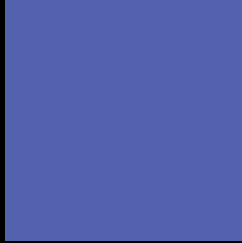
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.3814, 13.5529, 40.8350 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

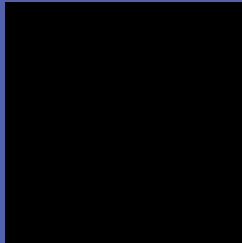
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3814, 13.5529, 40.8350

Background



This preview shows how black text looks on a background with the XYZ color 15.3814, 13.5529, 40.8350.



This preview shows how white text looks on a background with the XYZ color 15.3814, 13.5529,

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

15.3814, 13.5529, 40.8350

Protanopia

14.7957, 13.5099, 41.8723

Deuteranopia

13.9459, 13.5403, 40.4066



Tritanopia

11.0857, 13.6076, 19.4950

Trichromacy



Original Color

15.3814, 13.5529, 40.8350

Protanomaly

14.9063, 13.4367, 41.3431

Deuteranomaly

14.3191, 13.4409, 40.3677

Tritanomaly

12.4140, 13.5208, 26.0002

Monochromacy



Original Color

15.3814, 13.5529, 40.8350

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.2038, 13.2726, 21.9446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3814, 13.5529, 40.8350 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, 98, 172)` looks like.

```
.text, #text, p{  
    color:rgb(83, 98, 172)  
}
```

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, 98, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 98, 172) }
```

Border

The CSS property to change the border of an element to XYZ 15.3814, 13.5529, 40.8350 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, 98, 172) }
```


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

```
.border{ border-color:rgb(83, 98, 172) }
```

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

Here you see how a box with a 4 pixel rgb(83, 98, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 98, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 98, 172);  
box-shadow:4px 4px 4px 4px rgb(83, 98,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3814, 13.5529, 40.8350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 98, 172) }
```

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

```
.background{ background-color: rgb(83, 98,  
172) }
```

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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