

Converting Colors

XYZ(15.2489, 10.8440, 54.1132)

Have a look what the booklet for
XYZ(15.2489, 10.8440, 54.1132)
contains.

XYZ(15.2579, 10.8521, 54.1138)	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(15.2579, 10.8521,
54.1138)**

Conversions

Conversions Part 1

Format	Color
Hex	444FC5
RGB	68, 79, 197
RGB Percent	27%, 31%, 77%
CMY	0.7333, 0.6902, 0.2274
CMYK	0.65, 0.60, 0.00, 0.23
HSL	235°, 53%, 52%
HSV	235°, 65%, 77%
XYZ	15.2579, 10.8521, 54.1138
YIQ	89.1630, -44.4340, 34.3660

Conversions

Conversions Part 2

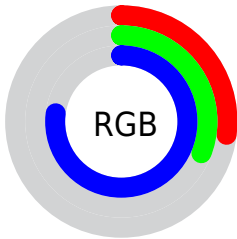
Format	Color
RYB	68, 78, 197
Decimal	4476869
CIELab	39.33, 33.25, -63.02
CIELCh	39, 71.257, 297.814
Yxy	10.8521, 0.1902, 0.1353
Android (android.graphics.Color)	4282666949 (0xFF444FC5)
YUV	89.1630, 53.1636, -18.5600
Hunter-Lab	32.9425, 25.0259, -74.3343

Details

The XYZ color **15.2579, 10.8521, 54.1138** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **41.6302, 47.4089, 12.4267**, and the grayscale version is **9.4252, 9.9161, 10.7986**.

A 20% lighter version of the original color is **34.9751, 27.4042, 98.0539**, and **5.4835, 3.1551, 25.9112** is the 20% darker color. If you saturate the color by 10%, you get **12.9792, 8.0023, 53.6841**, and if you desaturate by 10%, it is **18.3516, 14.6450, 54.6831**.

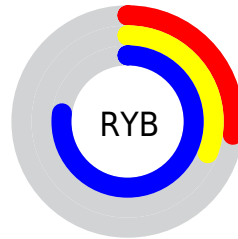
Distribution



Red (27%)

Green (31%)

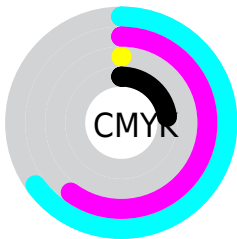
Blue (77%)



Red (27%)

Yellow (31%)

Blue (77%)

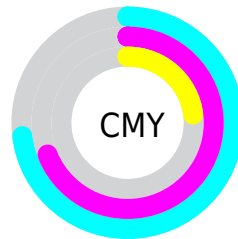


Cyan (65%)

Magenta (60%)

Yellow (0%)

Black (23%)



Cyan (73%)

Magenta (69%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2579, 10.8521, 54.1138 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 15.2579, 10.8521, 54.1138 by changing the saturation by 10% instead.

■ 15.2579, 10.8521,
54.1138

■ 15.2579, 10.8521,
54.1138

218.2795,
196.6500, 419.7307

■ 9.0881, 5.9675,
38.2989

■ 34.8729, 27.3863,
97.6994

■ 4.8562, 2.8253,
25.9111

■ 49.0489, 39.8048,
126.3071

■ 2.1971, 1.0412,
16.5320

■ 66.6242, 55.5032,
160.0162

■ 0.7412, 0.0000,
9.7429

■ 87.9643, 74.8661,
199.2452

■ 0.0000, 0.0000,
5.1255

■ 113.4345, 98.2779,
244.4126

■ 0.0000, 0.0000,
2.2611

143.4002,

■ 0.0000, 0.0000,

126.1228, 295.9369

0.7093

178.2268,
158.7854, 354.2368

■ 0.0000, 0.0000,
0.0000

■ 15.2579, 10.8521,
54.1138

■ 15.2579, 10.8521,
54.1138

■ 12.9792, 8.0023,
53.6841

■ 18.3516, 14.6450,
54.6831

■ 11.4361, 6.0114,
53.3812

■ 22.3261, 19.4535,
55.4018

■ 10.5359, 4.7813,
53.1912

■ 27.2427, 25.3440,
56.2796

■ 10.2753, 4.4256,
53.1363

■ 33.1565, 32.3770,
57.3254

■ 40.1183, 40.6086,
58.5474

■ 48.1756, 50.0910,
59.9530

■ 57.3729, 60.8735,
61.5495

■ 67.7522, 73.0027,
63.3436

■ 79.3535, 86.5228,
65.3418

Harmonies

Analogous

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



9.9660, 10.8521, 62.9374



15.2579, 10.8521, 54.1138



20.2845, 10.8521, 32.2759

Triad

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



15.2579, 10.8521, 54.1138



16.0646, 10.8521, 0.5247



3.5598, 10.8521, 10.8347

Complementary

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



15.2579, 10.8521, 54.1138



41.6302, 47.4089, 12.4267

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.



4.3018, 10.8521, 2.5795



15.2579, 10.8521, 54.1138



10.6712, 10.8521, 0.0000

Square

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



15.2579, 10.8521, 54.1138



20.8431, 10.8521, 3.2671



6.5741, 10.8521, 0.3347



4.1080, 10.8521, 28.9772

Rectangle

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



15.2579, 10.8521, 54.1138



22.2478, 10.8521, 18.3327



6.5741, 10.8521, 0.3347



3.6599, 10.8521, 7.0619

Sweetspot

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



15.2585, 10.8524, 54.1141



65.5922, 65.3381, 103.7622



31.0131, 44.6268, 52.3823



13.2926, 13.1015, 22.0782



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



15.2585, 10.8524, 54.1141



21.7826, 12.4625, 95.8652



19.8366, 12.1312, 54.1196



10.1281, 10.4303, 13.3969



6.7846, 2.9631, 34.9587



0.3469, 0.1916, 1.6638

Inverse Universe

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



26.5049, 16.5700, 9.1985



43.6666, 24.3080, 8.3042



32.7582, 46.4066, 12.7008



10.6700, 10.6514, 11.2453



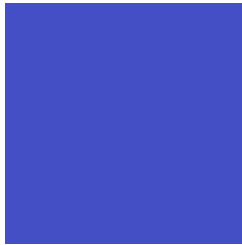
15.2239, 7.8391, 1.1229



0.7338, 0.3764, 0.1213

Previews

White Background



This preview shows how the XYZ color 15.2579, 10.8521, 54.1138 looks on a white background.

Color Contrast Check

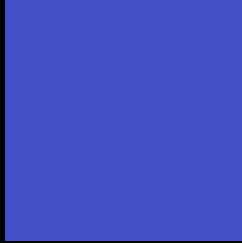
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.2579, 10.8521, 54.1138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

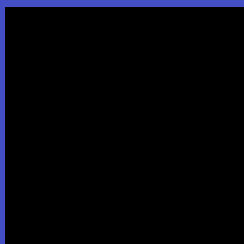
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2579, 10.8521, 54.1138

Background



This preview shows how black text looks on a background with the XYZ color 15.2579, 10.8521, 54.1138.



This preview shows how white text looks on a background with the XYZ color 15.2579, 10.8521,

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

15.2579, 10.8521, 54.1138

Protanopia

12.7577, 10.8189, 49.5600

Deuteranopia

10.7031, 10.8288, 36.1764



Tritanopia

7.5658, 10.6285, 16.4046

Trichromacy



Original Color

15.2579, 10.8521, 54.1138

Protanomaly

13.1638, 10.5094, 51.2039

Deuteranomaly

11.7111, 10.4466, 41.9566

Tritanomaly

9.2861, 10.1651, 27.0638

Monochromacy



Original Color

15.2579, 10.8521, 54.1138

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.5381, 9.8048, 21.7592

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2579, 10.8521, 54.1138 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(68, 79, 197)` looks like.

```
.text, #text, p{  
    color:rgb(68, 79, 197)  
}
```

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(68, 79, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 79, 197) }
```

Border

The CSS property to change the border of an element to XYZ 15.2579, 10.8521, 54.1138 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(68, 79, 197) }
```


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

```
.border{ border-color:rgb(68, 79, 197) }
```

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

Here you see how a box with a 4 pixel rgb(68, 79, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 79, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 79, 197);  
box-shadow:4px 4px 4px 4px rgb(68, 79,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2579, 10.8521, 54.1138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 79, 197) }
```

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

```
.background{ background-color: rgb(68, 79,  
197) }
```

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