

Converting Colors

XYZ(15.9501, 12.3161, 50.9716)

Have a look what the booklet for
XYZ(15.9501, 12.3161, 50.9716)
contains.

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Color

**XYZ(15.9543, 12.3188,
50.8271)**

Conversions

Conversions Part 1

Format	Color
Hex	4D58BF
RGB	77, 88, 191
RGB Percent	30%, 35%, 75%
CMY	0.6980, 0.6549, 0.2510
CMYK	0.60, 0.54, 0.00, 0.25
HSL	234°, 47%, 53%
HSV	234°, 60%, 75%
XYZ	15.9543, 12.3188, 50.8271
YIQ	96.4530, -39.6190, 29.7010

Conversions

Conversions Part 2

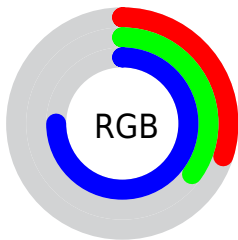
Format	Color
R_{YB}	77, 87, 191
Decimal	5068991
CIE _{Lab}	41.72, 27.03, -55.63
CIE _{LCh}	42, 61.850, 295.912
Yxy	12.3188, 0.2017, 0.1557
Android (android.graphics.Color)	4283259071 (0xFF4D58BF)
YUV	96.4530, 46.6117, -17.0603
Hunter-Lab	35.0981, 19.7176, -61.2916

Details

The XYZ color **15.9543, 12.3188, 50.8271** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **39.1484, 44.2576, 13.5016**, and the grayscale version is **11.1259, 11.7053, 12.7471**.

A 20% lighter version of the original color is **36.0234, 30.1052, 92.7192**, and **5.3792, 3.5339, 24.0655** is the 20% darker color. If you saturate the color by 10%, you get **13.3804, 9.1321, 50.3480**, and if you desaturate by 10%, it is **19.3171, 16.4101, 51.4398**.

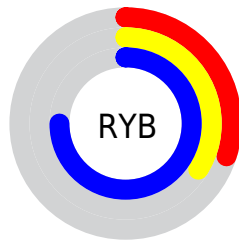
Distribution



Red (30%)

Green (35%)

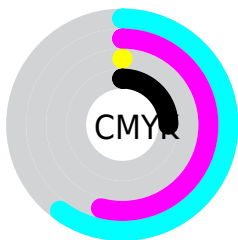
Blue (75%)



Red (30%)

Yellow (34%)

Blue (75%)

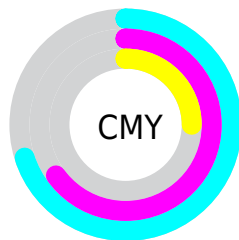


Cyan (60%)

Magenta (54%)

Yellow (0%)

Black (25%)



Cyan (70%)

Magenta (65%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9543, 12.3188, 50.8271 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 15.9543, 12.3188, 50.8271 by changing the saturation by 10% instead.

■ 15.9543, 12.3188,
50.8271

■ 15.9543, 12.3188,
50.8271

222.3476,
206.5046, 406.7190

■ 9.5825, 6.9612,
35.6953

■ 36.0769, 30.0744,
92.8080

■ 5.1831, 3.4378,
23.9111

■ 50.5584, 43.2412,
120.4942

■ 2.3910, 1.3644,
15.0561

■ 68.4739, 59.7798,
153.2022

■ 0.8406, 0.1902,
8.7117

■ 90.1886, 80.0747,
191.3506

■ 0.0000, 0.0000,
4.4594

■ 116.0680,
104.5102, 235.3580

■ 0.0000, 0.0000,
1.8806

146.4774,

■ 0.0000, 0.0000,

133.4708, 285.6428

0.4803

181.7821,
167.3408, 342.6236

■ 0.0000, 0.0000,
0.0000

■ 15.9543, 12.3188,
50.8271

■ 15.9543, 12.3188,
50.8271

■ 13.3804, 9.1321,
50.3480

■ 19.3171, 16.4101,
51.4398

■ 11.5287, 6.7798,
49.9915

■ 23.5246, 21.4667,
52.1941

■ 10.3243, 5.1828,
49.7467

■ 28.6297, 27.5455,
53.0984

■ 9.6440, 4.2302,
49.5987

■ 34.6803, 34.6985,
54.1601

■ 9.6272, 4.2080,
49.5953

■ 41.7210, 42.9742,
55.3864

■ 49.7935, 52.4181,
56.7838

■ 58.9371, 63.0733,
58.3585

■ 69.1891, 74.9805,
60.1165

■ 80.5850, 88.1787,
62.0634

Harmonies

Analogous

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



11.0971, 12.3188, 57.0194



15.9543, 12.3188, 50.8271



20.5320, 12.3188, 32.8795

Triad

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



15.9543, 12.3188, 50.8271



17.3166, 12.3188, 1.5328



4.9797, 12.3188, 11.7081

Complementary

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



15.9543, 12.3188, 50.8271



39.1484, 44.2576, 13.5016

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.



5.8634, 12.3188, 3.7119



15.9543, 12.3188, 50.8271



12.3423, 12.3188, 0.7156

Square

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



15.9543, 12.3188, 50.8271



21.4506, 12.3188, 5.1837



8.2921, 12.3188, 1.1501



5.4795, 12.3188, 27.5790

Rectangle

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



15.9543, 12.3188, 50.8271



22.3851, 12.3188, 20.4680



8.2921, 12.3188, 1.1501



5.1169, 12.3188, 8.2000

Sweetspot

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



15.9549, 12.3192, 50.8274



63.7662, 64.0935, 97.2896



29.8896, 42.1189, 49.5217



13.2454, 13.1820, 21.2316



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



15.9549, 12.3192, 50.8274



22.6777, 14.7367, 89.9284



20.1702, 13.2521, 50.7853



9.0886, 9.3694, 12.0017



6.3545, 2.8207, 32.6024



0.2741, 0.1609, 1.2855

Inverse Universe

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



25.9018, 17.0897, 11.1661



42.3226, 24.8048, 11.4531



31.7189, 43.8542, 13.8153



9.5665, 9.5509, 10.1065



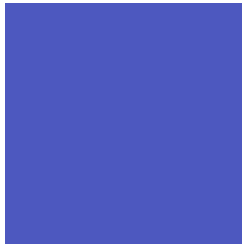
14.2082, 7.3144, 1.1242



0.5693, 0.2916, 0.1110

Previews

White Background



This preview shows how the XYZ color 15.9543, 12.3188, 50.8271 looks on a white background.

Color Contrast Check

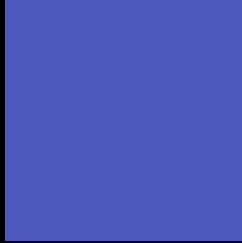
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9543, 12.3188, 50.8271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

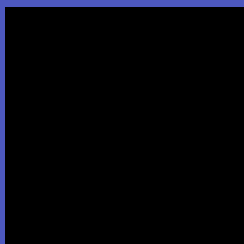
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9543, 12.3188, 50.8271

Background



This preview shows how black text looks on a background with the XYZ color 15.9543, 12.3188, 50.8271.



This preview shows how white text looks on a background with the XYZ color 15.9543, 12.3188,

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

15.9543, 12.3188, 50.8271

Protanopia

14.6386, 12.4438, 55.0564

Deuteranopia

12.2950, 12.2095, 42.2661



Tritanopia

9.4063, 12.2899, 18.3994

Trichromacy



Original Color

15.9543, 12.3188, 50.8271

Protanomaly

14.6737, 12.1080, 53.1934

Deuteranomaly

13.0022, 11.9488, 45.3371

Tritanomaly

11.0906, 11.9097, 27.7009

Monochromacy



Original Color

15.9543, 12.3188, 50.8271

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.1309, 11.5912, 23.0707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9543, 12.3188, 50.8271 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(77, 88, 191)` looks like.

```
.text, #text, p{  
    color:rgb(77, 88, 191)  
}
```

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(77, 88, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 88, 191) }
```

Border

The CSS property to change the border of an element to XYZ 15.9543, 12.3188, 50.8271 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(77, 88, 191) }
```


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

```
.border{ border-color:rgb(77, 88, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 88, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 88, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 88, 191);  
box-shadow:4px 4px 4px 4px rgb(77, 88,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9543, 12.3188, 50.8271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 88, 191) }
```

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

```
.background{ background-color: rgb(77, 88,  
191) }
```

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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