

Converting Colors

XYZ(15.8099, 12.9193, 51.5300)

Have a look what the booklet for
XYZ(15.8099, 12.9193, 51.5300)
contains.

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Color

**XYZ(15.7435, 12.8278,
51.5154)**

Conversions

Conversions Part 1

Format	Color
Hex	435DC0
RGB	67, 93, 192
RGB Percent	26%, 36%, 75%
CMY	0.7372, 0.6353, 0.2471
CMYK	0.65, 0.52, 0.00, 0.25
HSL	228°, 50%, 51%
HSV	228°, 65%, 75%
XYZ	15.7435, 12.8278, 51.5154
YIQ	96.5120, -47.2750, 25.2770

Conversions

Conversions Part 2

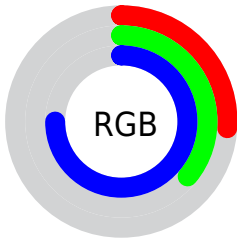
Format	Color
R_{YB}	67, 89, 192
Decimal	4414912
CIE _{Lab}	42.50, 22.43, -54.98
CIE _{LCh}	43, 59.376, 292.193
Yxy	12.8278, 0.1966, 0.1602
Android (android.graphics.Color)	4282604992 (0xFF435DC0)
YUV	96.5120, 47.0756, -25.8820
Hunter-Lab	35.8159, 15.7849, -60.2079

Details

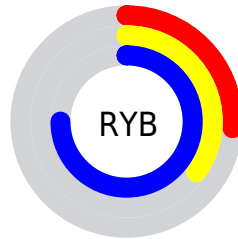
The XYZ color **15.7435, 12.8278, 51.5154** is a dark color, and the websafe version is hex **3366CC**. The color can be described as dark muted blue. A complement of this color would be **36.3890, 38.8865, 10.8991**, and the grayscale version is **11.1405, 11.7207, 12.7638**.

A 20% lighter version of the original color is **35.6737, 30.9965, 93.7252**, and **5.6444, 3.9489, 24.5095** is the 20% darker color. If you saturate the color by 10%, you get **13.4341, 9.8490, 51.0625**, and if you desaturate by 10%, it is **18.7558, 16.5631, 52.0779**.

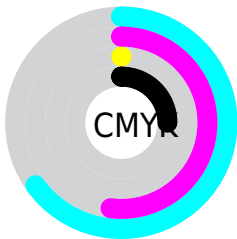
Distribution



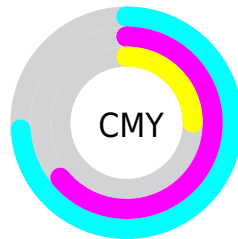
- Red (26%)
- Green (36%)
- Blue (75%)



- Red (26%)
- Yellow (35%)
- Blue (75%)



- Cyan (65%)
- Magenta (52%)
- Yellow (0%)
- Black (25%)



- Cyan (74%)
- Magenta (64%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7435, 12.8278, 51.5154 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 15.7435, 12.8278, 51.5154 by changing the saturation by 10% instead.

■ 15.7435, 12.8278,
51.5154

■ 15.7435, 12.8278,
51.5154

221.1236,
209.8111, 409.4665

■ 9.4325, 7.3101,
36.2394

■ 35.7134, 30.9941,
93.8355

■ 5.0837, 3.6568,
24.3280

■ 50.1030, 44.4114,
121.7166

■ 2.3317, 1.4835,
15.3626

■ 67.9162, 61.2307,
154.6365

■ 0.8108, 0.2771,
8.9248

■ 89.5184, 81.8365,
193.0137

■ 0.0000, 0.0000,
4.5961

■ 115.2749,
106.6130, 237.2667

■ 0.0000, 0.0000,
1.9577

145.5510,

■ 0.0000, 0.0000,

135.9446, 287.8142

0.5291

180.7121,
170.2159, 345.0746

■ 0.0000, 0.0000,
0.0000

■ 15.7435, 12.8278,
51.5154

■ 15.7435, 12.8278,
51.5154

■ 13.4341, 9.8490,
51.0625

■ 18.7558, 16.5631,
52.0779

■ 11.7648, 7.5707,
50.7107

■ 22.5226, 21.1029,
52.7557

■ 10.6640, 5.9300,
50.4520

■ 27.0926, 26.4922,
53.5550

■ 10.2709, 5.3186,
50.3547

■ 32.5098, 32.7726,
54.4818

■ 38.8148, 39.9825,
55.5411

■ 46.0459, 48.1583,
56.7381

■ 54.2386, 57.3343,
58.0774

■ 63.4270, 67.5430,
59.5636

■ 73.6433, 78.8157,
61.2010

Harmonies

Analogous

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



11.0595, 12.8278, 55.4266



15.7435, 12.8278, 51.5154



20.3414, 12.8278, 35.2001

Triad

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



15.7435, 12.8278, 51.5154



18.2707, 12.8278, 2.1378



5.4954, 12.8278, 10.8774

Complementary

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



15.7435, 12.8278, 51.5154



36.3890, 38.8865, 10.8991

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.



6.5752, 12.8278, 3.6469



15.7435, 12.8278, 51.5154



13.4002, 12.8278, 1.0113

Square

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



15.7435, 12.8278, 51.5154



22.0319, 12.8278, 6.5685



9.2200, 12.8278, 1.3153



5.8302, 12.8278, 25.5092

Rectangle

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



15.7435, 12.8278, 51.5154



22.3680, 12.8278, 22.9499



9.2200, 12.8278, 1.3153



5.6934, 12.8278, 7.7005

Sweetspot

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



15.7441, 12.8282, 51.5157



64.1619, 65.4127, 99.6045



27.9490, 41.6067, 42.1162



13.0868, 13.2562, 21.2542



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.



15.7441, 12.8282, 51.5157



22.9528, 15.9850, 92.2360



17.0494, 10.6703, 51.0304



9.6943, 10.0799, 12.7195



6.9575, 3.6715, 33.8986



0.3514, 0.2603, 1.4816

Inverse Universe

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



25.7217, 16.0119, 12.0911



42.8427, 23.8714, 13.2992



33.6869, 45.2313, 12.2662



10.1570, 10.1114, 10.9172



14.9078, 7.6529, 2.1605



0.6698, 0.3409, 0.2285

Previews

White Background



This preview shows how the XYZ color 15.7435, 12.8278, 51.5154 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 15.7435, 12.8278, 51.5154 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

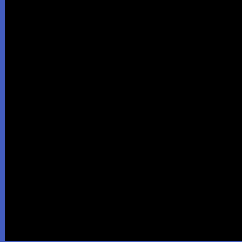
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7435, 12.8278, 51.5154

Background



This preview shows how black text looks on a background with the XYZ color 15.7435, 12.8278, 51.5154.



This preview shows how white text looks on a background with the XYZ color 15.7435, 12.8278,

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

15.7435, 12.8278, 51.5154

Protanopia

15.0752, 12.9662, 53.9327

Deuteranopia

12.8881, 12.7574, 44.4310



Tritanopia

9.2883, 12.8351, 19.7572

Trichromacy



Original Color

15.7435, 12.8278, 51.5154

Protanomaly

15.2998, 12.9588, 53.3247

Deuteranomaly

13.4903, 12.5786, 47.0643

Tritanomaly

10.8318, 12.3333, 29.0038

Monochromacy



Original Color

15.7435, 12.8278, 51.5154

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.1855, 12.0101, 23.5057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7435, 12.8278, 51.5154 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(67, 93, 192)` looks like.

```
.text, #text, p{  
    color:rgb(67, 93, 192)  
}
```

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(67, 93, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 93, 192) }
```

Border

The CSS property to change the border of an element to XYZ 15.7435, 12.8278, 51.5154 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(67, 93, 192) }
```


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

```
.border{ border-color:rgb(67, 93, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 93, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 93, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 93, 192);  
box-shadow:4px 4px 4px 4px rgb(67, 93,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7435, 12.8278, 51.5154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 93, 192) }
```

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

```
.background{ background-color: rgb(67, 93,  
192) }
```

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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