

Converting Colors

XYZ(15.1504, 12.1902, 50.2967)

Have a look what the booklet for
XYZ(15.1504, 12.1902, 50.2967)
contains.

XYZ(15.1304, 12.1539, 50.2637)	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(15.1304, 12.1539,
50.2637)**

Conversions

Conversions Part 1

Format	Color
Hex	415ABE
RGB	65, 90, 190
RGB Percent	25%, 35%, 75%
CMY	0.7451, 0.6471, 0.2549
CMYK	0.66, 0.53, 0.00, 0.25
HSL	228°, 49%, 50%
HSV	228°, 66%, 75%
XYZ	15.1304, 12.1539, 50.2637
YIQ	93.9250, -47.0000, 25.8000

Conversions

Conversions Part 2

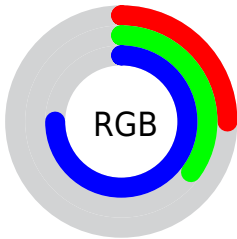
Format	Color
R _Y B	65, 86, 190
Decimal	4283070
CIE _{Lab}	41.46, 23.31, -55.50
CIE _{LCh}	41, 60.199, 292.782
Y _{xy}	12.1539, 0.1951, 0.1567
Android (android.graphics.Color)	4282473150 (0xFF415ABE)
Y _{UV}	93.9250, 47.3650, -25.3672
Hunter-Lab	34.8624, 16.4602, -61.0790

Details

The XYZ color **15.1304, 12.1539, 50.2637** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **35.6459, 38.2415, 10.5046**, and the grayscale version is **10.5220, 11.0699, 12.0552**.

A 20% lighter version of the original color is **34.6240, 29.8315, 91.9289**, and **5.3823, 3.6543, 23.7142** is the 20% darker color. If you saturate the color by 10%, you get **12.9239, 9.3038, 49.8302**, and if you desaturate by 10%, it is **18.0232, 15.7471, 50.8051**.

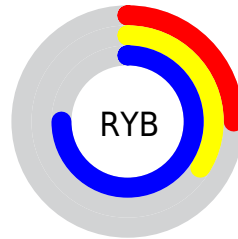
Distribution



Red (25%)

Green (35%)

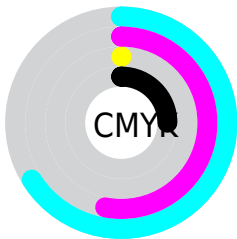
Blue (75%)



Red (25%)

Yellow (34%)

Blue (75%)

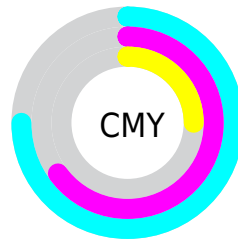


Cyan (66%)

Magenta (53%)

Yellow (0%)

Black (25%)



Cyan (75%)

Magenta (65%)

Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.1304, 12.1539, 50.2637 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 15.1304, 12.1539, 50.2637 by changing the saturation by 10% instead.

■ 15.1304, 12.1539,
50.2637

■ 15.1304, 12.1539,
50.2637

217.5269,
205.4215, 404.4608

■ 8.9979, 6.8486,
35.2503

■ 34.6516, 29.7751,
91.9658

■ 4.7969, 3.3676,
23.5707

■ 48.7709, 42.8598,
119.4916

■ 2.1621, 1.3265,
14.8062

■ 66.2832, 59.3063,
152.0253

■ 0.7227, 0.1616,
8.5384

■ 87.5539, 79.4992,
189.9854

■ 0.0000, 0.0000,
4.3487

■ 112.9482,
103.8227, 233.7904

■ 0.0000, 0.0000,
1.8185

142.8316,

■ 0.0000, 0.0000,

132.6614, 283.8590

0.4401

177.5694,
166.3995, 340.6096

■ 0.0000, 0.0000,
0.0000

■ 15.1304, 12.1539,
50.2637

■ 15.1304, 12.1539,
50.2637

■ 12.9239, 9.3038,
49.8302

■ 18.0232, 15.7471,
50.8051

■ 11.3414, 7.1407,
49.4961

■ 21.6536, 20.1316,
51.4600

■ 10.3102, 5.6006,
49.2531

■ 26.0697, 25.3525,
52.2350

■ 9.9872, 5.1035,
49.1742

■ 31.3150, 31.4512,
53.1357

■ 37.4299, 38.4661,
54.1674

■ 44.4520, 46.4335,
55.3352

■ 52.4165, 55.3877,
56.6438

■ 61.3570, 65.3611,
58.0976

■ 71.3052, 76.3847,
59.7010

Harmonies

Analogous

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



10.5256, 12.1539, 54.4935



15.1304, 12.1539, 50.2637



19.6421, 12.1539, 33.8447

Triad

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



15.1304, 12.1539, 50.2637



17.4325, 12.1539, 1.8192



5.0483, 12.1539, 10.4281

Complementary

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



15.1304, 12.1539, 50.2637



35.6459, 38.2415, 10.5046

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.



6.0586, 12.1539, 3.3480



15.1304, 12.1539, 50.2637



12.6429, 12.1539, 0.8222

Square

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



15.1304, 12.1539, 50.2637



21.1886, 12.1539, 5.9176



8.5875, 12.1539, 1.1254



5.3960, 12.1539, 24.9457

Rectangle

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



15.1304, 12.1539, 50.2637



21.6105, 12.1539, 21.7357



8.5875, 12.1539, 1.1254



5.2294, 12.1539, 7.3001

Sweetspot

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



15.1310, 12.1543, 50.2640



62.6000, 63.7273, 97.2803



27.3857, 40.6679, 42.0045



13.0635, 13.2096, 21.2465



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.



15.1310, 12.1543, 50.2640



21.9985, 14.9508, 90.0055



16.7219, 10.3534, 49.8326



9.1669, 9.5261, 12.0278



6.6864, 3.4844, 32.7131



0.3085, 0.2297, 1.2969

Inverse Universe

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



24.9715, 15.4668, 11.3423



41.5959, 23.0444, 12.1572



32.4110, 43.9329, 11.7737



9.6061, 9.5667, 10.3147



14.3757, 7.3814, 2.0063



0.5866, 0.2985, 0.2024

Previews

White Background



This preview shows how the XYZ color 15.1304, 12.1539, 50.2637 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 15.1304, 12.1539, 50.2637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

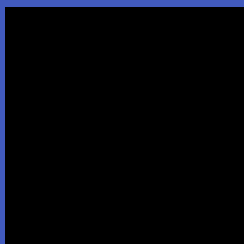
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1304, 12.1539, 50.2637

Background



This preview shows how black text looks on a background with the XYZ color 15.1304, 12.1539, 50.2637.



This preview shows how white text looks on a background with the XYZ color 15.1304, 12.1539,

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

15.1304, 12.1539, 50.2637

Protanopia

14.2757, 12.1765, 52.6368

Deuteranopia

12.1972, 12.1703, 41.7506



Tritanopia

8.5734, 12.0095, 18.6958

Trichromacy



Original Color

15.1304, 12.1539, 50.2637

Protanomaly

14.5363, 12.1925, 52.0393

Deuteranomaly

12.7978, 11.8552, 44.7938

Tritanomaly

10.0644, 11.5152, 28.0778

Monochromacy



Original Color

15.1304, 12.1539, 50.2637

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.4441, 11.2527, 22.3377

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1304, 12.1539, 50.2637 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(65, 90, 190)` looks like.

```
.text, #text, p{  
    color:rgb(65, 90, 190)  
}
```

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(65, 90, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 90, 190) }
```

Border

The CSS property to change the border of an element to XYZ 15.1304, 12.1539, 50.2637 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(65, 90, 190) }
```


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

```
.border{ border-color:rgb(65, 90, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 90, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 90, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 90, 190);  
box-shadow:4px 4px 4px 4px rgb(65, 90,  
190) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1304, 12.1539, 50.2637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 90, 190) }
```

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

```
.background{ background-color: rgb(65, 90,  
190) }
```

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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