

Converting Colors

XYZ(15.2419, 13.2104, 42.0010)

Have a look what the booklet for
XYZ(15.2419, 13.2104, 42.0010)
contains.

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Color

**XYZ(15.2162, 13.1711,
41.7847)**

Conversions

Conversions Part 1

Format	Color
Hex	5160AE
RGB	81, 96, 174
RGB Percent	32%, 38%, 68%
CMY	0.6823, 0.6235, 0.3176
CMYK	0.53, 0.45, 0.00, 0.32
HSL	230°, 36%, 50%
HSV	230°, 53%, 68%
XYZ	15.2162, 13.1711, 41.7847
YIQ	100.4070, -33.9780, 21.0780

Conversions

Conversions Part 2

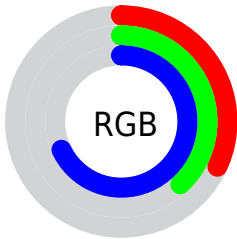
Format	Color
R_{YB}	81, 94, 174
Decimal	5333166
CIE _{Lab}	43.02, 17.10, -43.58
CIE _{LCh}	43, 46.814, 291.421
Yxy	13.1711, 0.2168, 0.1877
Android (android.graphics.Color)	4283523246 (0xFF5160AE)
YUV	100.4070, 36.2813, -17.0199
Hunter-Lab	36.2920, 11.3289, -42.8590

Details

The XYZ color **15.2162, 13.1711, 41.7847** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **31.3398, 34.3903, 12.7716**, and the grayscale version is **12.1339, 12.7658, 13.9020**.

A 20% lighter version of the original color is **34.7152, 31.5052, 79.1143**, and **4.8230, 3.7809, 18.5647** is the 20% darker color. If you saturate the color by 10%, you get **12.7015, 10.0784, 41.3206**, and if you desaturate by 10%, it is **18.3612, 16.9560, 42.3498**.

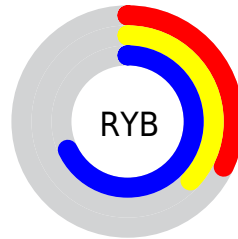
Distribution



Red (32%)

Green (38%)

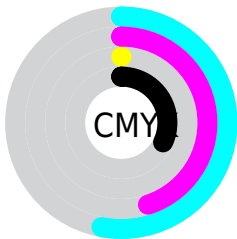
Blue (68%)



Red (32%)

Yellow (37%)

Blue (68%)

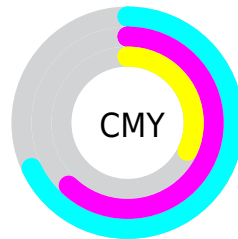


Cyan (53%)

Magenta (45%)

Yellow (0%)

Black (32%)



Cyan (68%)

Magenta (62%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2162, 13.1711, 41.7847 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 15.2162, 13.1711, 41.7847 by changing the saturation by 10% instead.

■ 15.2162, 13.1711,
41.7847

■ 15.2162, 13.1711,
41.7847

218.0336,
212.0113, 369.3630

■ 9.0586, 7.5465,
28.6084

■ 34.8006, 31.6108,
79.1402

■ 4.8368, 3.8061,
18.5418

■ 48.9580, 45.1947,
104.1566

■ 2.1856, 1.5657,
11.1662

■ 66.5128, 62.2005,
133.9567

■ 0.7351, 0.3343,
6.0632

■ 87.8302, 83.0125,
168.9592

■ 0.0000, 0.0000,
2.8141

■ 113.2756,
108.0153, 209.5825

■ 0.0000, 0.0000,
1.0005

143.2144,

■ 0.0000, 0.0000,

137.5930, 256.2452

0.0000

178.0120,
172.1303, 309.3658

■ 15.2162, 13.1711,
41.7847

■ 15.2162, 13.1711,
41.7847

■ 12.7015, 10.0784,
41.3206

■ 18.3612, 16.9560,
42.3498

■ 10.7720, 7.6338,
40.9504

■ 22.1741, 21.4709,
43.0203

■ 9.3790, 5.7900,
40.6679

■ 26.6917, 26.7522,
43.8016

■ 8.4647, 4.4923,
40.4657

■ 31.9472, 32.8335,
44.6984

■ 8.0567, 3.8894,
40.3708

■ 37.9721, 39.7467,
45.7152

■ 44.7957, 47.5214,
46.8562

■ 52.4460, 56.1862,
48.1255

■ 60.9495, 65.7682,
49.5268

■ 70.3316, 76.2933,
51.0639

Harmonies

Analogous

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



11.5158, 13.1711, 44.1658



15.2162, 13.1711, 41.7847



18.7360, 13.1711, 30.5636

Triad

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



15.2162, 13.1711, 41.7847



17.3420, 13.1711, 3.7657



6.8530, 13.1711, 11.5864

Complementary

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



15.2162, 13.1711, 41.7847



31.3398, 34.3903, 12.7716

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.



7.8559, 13.1711, 5.2006



15.2162, 13.1711, 41.7847



13.5783, 13.1711, 2.3227

Square

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



15.2162, 13.1711, 41.7847



20.1176, 13.1711, 8.2590



10.1605, 13.1711, 2.6801



7.1242, 13.1711, 22.8523

Rectangle

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



15.2162, 13.1711, 41.7847



20.2788, 13.1711, 21.6171



10.1605, 13.1711, 2.6801



7.0440, 13.1711, 8.9139

Sweetspot

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



15.2167, 13.1715, 41.7850



55.1047, 56.2758, 80.5949



24.7447, 34.5078, 37.9309



11.8143, 12.0071, 17.8392



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



15.2167, 13.1715, 41.7850



22.3764, 17.4526, 74.8262



17.2653, 12.3864, 41.5255



7.6794, 7.9581, 10.0840



5.8734, 2.8807, 29.2910



0.1943, 0.1420, 0.8252

Inverse Universe

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



22.5098, 15.7288, 12.9162



37.2139, 23.3350, 15.9412



27.9495, 36.7063, 13.3973



8.0560, 8.0356, 8.6056



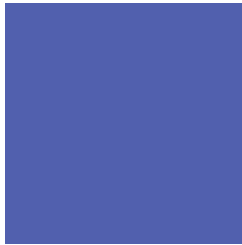
12.8283, 6.5939, 1.4752



0.3725, 0.1897, 0.1233

Previews

White Background



This preview shows how the XYZ color 15.2162, 13.1711, 41.7847 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 15.2162, 13.1711, 41.7847 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 15.2162, 13.1711, 41.7847

Background



This preview shows how black text looks on a background with the XYZ color 15.2162, 13.1711, 41.7847.



This preview shows how white text looks on a background with the XYZ color 15.2162, 13.1711,

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

15.2162, 13.1711, 41.7847

Protanopia

14.6444, 13.2563, 43.3818

Deuteranopia

13.5608, 13.1728, 41.3630



Tritanopia

10.6040, 13.2137, 18.8212

Trichromacy



Original Color

15.2162, 13.1711, 41.7847

Protanomaly

14.8027, 13.2095, 42.8438

Deuteranomaly

14.0245, 13.1236, 41.3291

Tritanomaly

11.9217, 12.9646, 25.9188

Monochromacy



Original Color

15.2162, 13.1711, 41.7847

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.8068, 12.7831, 21.8711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2162, 13.1711, 41.7847 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(81, 96, 174)` looks like.

```
.text, #text, p{  
    color:rgb(81, 96, 174)  
}
```

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(81, 96, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 96, 174) }
```

Border

The CSS property to change the border of an element to XYZ 15.2162, 13.1711, 41.7847 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(81, 96, 174) }
```


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

```
.border{ border-color:rgb(81, 96, 174) }
```

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

Here you see how a box with a 4 pixel rgb(81, 96, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 96, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 96, 174);  
box-shadow:4px 4px 4px 4px rgb(81, 96,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2162, 13.1711, 41.7847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 96, 174) }
```

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

```
.background{ background-color: rgb(81, 96,  
174) }
```

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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