

Converting Colors

XYZ(15.3102, 11.8864, 33.8354)

Have a look what the booklet for
XYZ(15.3102, 11.8864, 33.8354)
contains.

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Color

**XYZ(15.2857, 11.8734,
33.8339)**

Conversions

Conversions Part 1

Format	Color
Hex	6A549E
RGB	106, 84, 158
RGB Percent	42%, 33%, 62%
CMY	0.5843, 0.6706, 0.3804
CMYK	0.33, 0.47, 0.00, 0.38
HSL	258°, 31%, 47%
HSV	258°, 47%, 62%
XYZ	15.2857, 11.8734, 33.8339
YIQ	99.0140, -10.6420, 27.6780

Conversions

Conversions Part 2

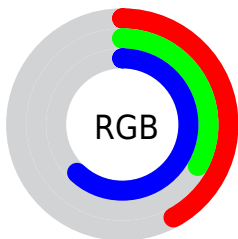
Format	Color
R_{YB}	106, 84, 158
Decimal	6968478
CIE _{Lab}	41.01, 26.16, -37.16
CIE _{LCh}	41, 45.446, 305.137
Yxy	11.8734, 0.2506, 0.1947
Android (android.graphics.Color)	4285158558 (0xFF6A549E)
YUV	99.0140, 29.0801, 6.1267
Hunter-Lab	34.4578, 18.8826, -34.0960

Details

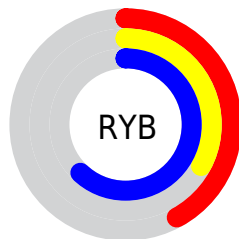
The XYZ color **15.2857, 11.8734, 33.8339** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.9806, 30.3282, 12.9779**, and the grayscale version is **11.7946, 12.4088, 13.5132**.

A 20% lighter version of the original color is **34.8334, 29.2252, 66.7559**, and **4.8702, 3.2391, 14.0042** is the 20% darker color. If you saturate the color by 10%, you get **12.9598, 9.0548, 33.4127**, and if you desaturate by 10%, it is **18.0600, 15.3342, 34.3559**.

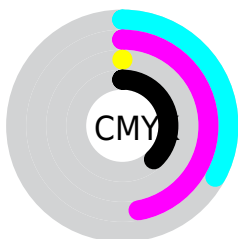
Distribution



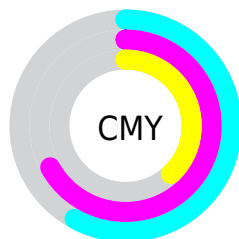
- Red (42%)
- Green (33%)
- Blue (62%)



- Red (42%)
- Yellow (33%)
- Blue (62%)



- Cyan (33%)
- Magenta (47%)
- Yellow (0%)
- Black (38%)



- Cyan (58%)
- Magenta (67%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.2857, 11.8734, 33.8339 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 15.2857, 11.8734, 33.8339 by changing the saturation by 10% instead.

■ 15.2857, 11.8734,
33.8339

■ 15.2857, 11.8734,
33.8339

218.4433,
203.5654, 334.1373

■ 9.1078, 6.6575,
22.4897

■ 34.9212, 29.2643,
66.8062

■ 4.8692, 3.2489,
14.0154

■ 49.1094, 42.2082,
89.2714

■ 2.2047, 1.2630,
7.9925

■ 66.6984, 58.4968,
116.2807

■ 0.7452, 0.1123,
4.0025

■ 88.0537, 78.5146,
148.2526

■ 0.0000, 0.0000,
1.6267

■ 113.5404,
102.6459, 185.6057

■ 0.0000, 0.0000,
0.3098

143.5240,

■ 0.0000, 0.0000,

131.2752, 228.7585

0.0000

178.3698,
164.7869, 278.1295

■ 15.2857, 11.8734,
33.8339

■ 15.2857, 11.8734,
33.8339

■ 12.9598, 9.0548,
33.4127

■ 18.0600, 15.3342,
34.3559

■ 11.0556, 6.8361,
33.0848

■ 21.3045, 19.4731,
34.9838

■ 9.5454, 5.1717,
32.8431

■ 25.0412, 24.3251,
35.7234

■ 8.3972, 4.0087,
32.6791

■ 29.2904, 29.9221,
36.5797

■ 7.5655, 3.2678,
32.5800

■ 34.0711, 36.2944,
37.5577

■ 7.3427, 3.0724,
32.5540

■ 39.4011, 43.4702,
38.6619

■ 45.2978, 51.4765,
39.8965

■ 51.7774, 60.3391,
41.2656

■ 58.8558, 70.0824,
42.7732

Harmonies

Analogous

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



11.8552, 11.8734, 40.2720



15.2857, 11.8734, 33.8339



17.9723, 11.8734, 22.0276

Triad

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



15.2857, 11.8734, 33.8339



14.1277, 11.8734, 2.5294



6.1276, 11.8734, 14.6008

Complementary

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



15.2857, 11.8734, 33.8339



23.9806, 30.3282, 12.9779

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.



6.5046, 11.8734, 6.7596



15.2857, 11.8734, 33.8339



10.7340, 11.8734, 2.0305

Square

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



15.2857, 11.8734, 33.8339



17.2186, 11.8734, 5.1108



8.0519, 11.8734, 3.1099



6.9006, 11.8734, 26.2370

Rectangle

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



15.2857, 11.8734, 33.8339



18.7437, 11.8734, 14.5086



8.0519, 11.8734, 3.1099



6.1259, 11.8734, 11.4667

Sweetspot

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



15.2862, 11.8738, 33.8342



47.3607, 46.6459, 65.2508



18.7784, 22.2546, 35.6538



10.3366, 10.0694, 14.6424



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



15.2862, 11.8738, 33.8342



23.4356, 16.3254, 60.6594



20.4918, 14.5574, 34.0778



6.4609, 6.5261, 8.3258



5.9164, 2.4790, 26.0739



0.1453, 0.0647, 0.4681

Inverse Universe

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



21.7150, 15.3876, 25.1181



36.7994, 23.6474, 41.7357



19.0866, 27.8053, 12.7488



6.8201, 6.7209, 7.9035



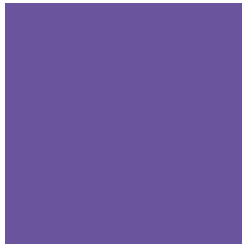
13.6101, 6.7486, 12.7294



0.2609, 0.1277, 0.3200

Previews

White Background



This preview shows how the XYZ color 15.2857, 11.8734, 33.8339 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 15.2857, 11.8734, 33.8339 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 15.2857, 11.8734, 33.8339

Background



This preview shows how black text looks on a background with the XYZ color 15.2857, 11.8734, 33.8339.



This preview shows how white text looks on a background with the XYZ color 15.2857, 11.8734,

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

15.2857, 11.8734, 33.8339

Protanopia

13.1849, 11.9225, 38.6521

Deuteranopia

12.2410, 11.9727, 32.6761



Tritanopia

11.4009, 11.7981, 14.7731

Trichromacy



Original Color

15.2857, 11.8734, 33.8339

Protanomaly

13.5815, 11.6549, 36.6558

Deuteranomaly

13.0523, 11.7169, 33.0261

Tritanomaly

12.6108, 11.7622, 20.6744

Monochromacy



Original Color

15.2857, 11.8734, 33.8339

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.8724, 12.1863, 19.4430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2857, 11.8734, 33.8339 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(106, 84, 158)` looks like.

```
.text, #text, p{  
    color:rgb(106, 84, 158)  
}
```

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(106, 84, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 84, 158) }
```

Border

The CSS property to change the border of an element to XYZ 15.2857, 11.8734, 33.8339 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(106, 84, 158) }
```


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

```
.border{ border-color:rgb(106, 84, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 84, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 84, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 84, 158);  
box-shadow:4px 4px 4px 4px rgb(106, 84,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2857, 11.8734, 33.8339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 84, 158) }
```

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

```
.background{ background-color: rgb(106, 84,  
158) }
```

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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