

Converting Colors

XYZ(15.6555, 12.6044, 38.1982)

Have a look what the booklet for
XYZ(15.6555, 12.6044, 38.1982)
contains.

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Color

**XYZ(15.5844, 12.5314,
38.1566)**

Conversions

Conversions Part 1

Format	Color
Hex	6259A7
RGB	98, 89, 167
RGB Percent	38%, 35%, 65%
CMY	0.6157, 0.6510, 0.3451
CMYK	0.41, 0.47, 0.00, 0.35
HSL	247°, 31%, 50%
HSV	247°, 47%, 65%
XYZ	15.5844, 12.5314, 38.1566
YIQ	100.5830, -19.6740, 26.1660

Conversions

Conversions Part 2

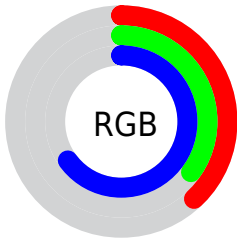
Format	Color
R_{YB}	98, 89, 167
Decimal	6445479
CIE _{Lab}	42.05, 23.46, -40.92
CIE _{LCh}	42, 47.167, 299.822
Yxy	12.5314, 0.2352, 0.1891
Android (android.graphics.Color)	4284635559 (0xFF6259A7)
YUV	100.5830, 32.7436, -2.2653
Hunter-Lab	35.3997, 16.6335, -39.1276

Details

The XYZ color **15.5844, 12.5314, 38.1566** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **29.7223, 35.6279, 14.7618**, and the grayscale version is **12.1849, 12.8195, 13.9604**.

A 20% lighter version of the original color is **35.5008, 30.4684, 73.8219**, and **4.9833, 3.5005, 16.3326** is the 20% darker color. If you saturate the color by 10%, you get **12.8996, 9.3133, 37.6772**, and if you desaturate by 10%, it is **18.8796, 16.5325, 38.7555**.

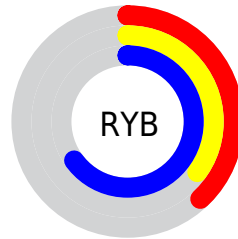
Distribution



Red (38%)

Green (35%)

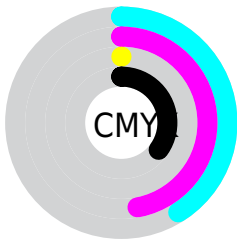
Blue (65%)



Red (38%)

Yellow (35%)

Blue (65%)

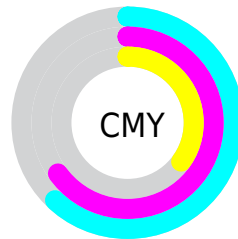


Cyan (41%)

Magenta (47%)

Yellow (0%)

Black (35%)



Cyan (62%)

Magenta (65%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5844, 12.5314, 38.1566 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 15.5844, 12.5314, 38.1566 by changing the saturation by 10% instead.

■ 15.5844, 12.5314,
38.1566

■ 15.5844, 12.5314,
38.1566

220.1956,
207.8922, 353.6096

■ 9.3195, 7.1067,
25.8015

■ 35.4385, 30.4593,
73.5542

■ 5.0090, 3.5289,
16.4508

■ 49.7584, 43.7313,
97.4337

■ 2.2873, 1.4137,
9.6859

■ 67.4941, 60.3878,
125.9918

■ 0.7882, 0.2268,
5.0883

■ 89.0108, 80.8132,
159.6470

■ 0.0000, 0.0000,
2.2395

■ 114.6740,
105.3920, 198.8179

■ 0.0000, 0.0000,
0.6970

144.8489,

■ 0.0000, 0.0000,

134.5085, 243.9229

0.0000

179.9010,
168.5471, 295.3806

■ 15.5844, 12.5314,
38.1566

■ 15.5844, 12.5314,
38.1566

■ 12.8996, 9.3133,
37.6772

■ 18.8796, 16.5325,
38.7555

■ 10.7859, 6.8253,
37.3084

■ 22.8183, 21.3621,
39.4801

■ 9.2018, 5.0102,
37.0415

■ 27.4329, 27.0639,
40.3374

■ 8.0992, 3.8012,
36.8663

■ 32.7532, 33.6779,
41.3336

■ 7.4148, 3.1054,
36.7680

■ 38.8073, 41.2419,
42.4746

■ 7.2490, 2.9312,
36.7432

■ 45.6215, 49.7914,
43.7656

■ 53.2211, 59.3600,
45.2120

■ 61.6300, 69.9799,
46.8187

■ 70.8713, 81.6817,
48.5903

Harmonies

Analogous

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



11.8898, 12.5314, 43.4551



15.5844, 12.5314, 38.1566



18.7342, 12.5314, 25.8207

Triad

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



15.5844, 12.5314, 38.1566



15.6278, 12.5314, 2.8395



6.3648, 12.5314, 13.5848

Complementary

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



15.5844, 12.5314, 38.1566



29.7223, 35.6279, 14.7618

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.



6.9851, 12.5314, 6.0631



15.5844, 12.5314, 38.1566



11.9316, 12.5314, 2.0167

Square

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



15.5844, 12.5314, 38.1566



18.7625, 12.5314, 6.1237



8.8651, 12.5314, 2.8185



6.9705, 12.5314, 25.6623

Rectangle

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



15.5844, 12.5314, 38.1566



19.8468, 12.5314, 17.3451



8.8651, 12.5314, 2.8185



6.4349, 12.5314, 10.5117

Sweetspot

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



15.5849, 12.5318, 38.1569



51.3482, 51.2206, 72.6555



23.5277, 29.7792, 41.0674



11.0678, 10.9375, 16.1800



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



15.5849, 12.5318, 38.1569



22.9708, 16.5232, 67.4539



20.6686, 15.1526, 38.3948



7.2092, 7.3405, 9.4552



5.5698, 2.2548, 28.1171



0.1593, 0.0671, 0.6852

Inverse Universe

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



25.6804, 17.8291, 34.4350



43.4154, 27.2642, 59.3130



23.3957, 32.3663, 14.4657



7.8041, 7.6515, 9.2854



16.2800, 7.9207, 22.0836



0.4063, 0.1968, 0.5908

Previews

White Background



This preview shows how the XYZ color 15.5844, 12.5314, 38.1566 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 15.5844, 12.5314, 38.1566 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 15.5844, 12.5314, 38.1566

Background



This preview shows how black text looks on a background with the XYZ color 15.5844, 12.5314, 38.1566.



This preview shows how white text looks on a background with the XYZ color 15.5844, 12.5314,

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

15.5844, 12.5314, 38.1566

Protanopia

14.0290, 12.6954, 41.7554

Deuteranopia

12.9796, 12.6717, 37.3591



Tritanopia

11.2220, 12.5133, 16.5757

Trichromacy



Original Color

15.5844, 12.5314, 38.1566

Protanomaly

14.3339, 12.4822, 40.1819

Deuteranomaly

13.6643, 12.4585, 37.7609

Tritanomaly

12.4913, 12.3119, 23.1908

Monochromacy



Original Color

15.5844, 12.5314, 38.1566

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.2319, 12.7394, 21.1636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5844, 12.5314, 38.1566 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(98, 89, 167) looks like.

```
.text, #text, p{  
    color:rgb(98, 89, 167)  
}
```

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(98, 89, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 89, 167) }
```

Border

The CSS property to change the border of an element to XYZ 15.5844, 12.5314, 38.1566 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(98, 89, 167) }
```


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

```
.border{ border-color:rgb(98, 89, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 89, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 89, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 89, 167);  
box-shadow:4px 4px 4px 4px rgb(98, 89,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5844, 12.5314, 38.1566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 89, 167) }
```

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

```
.background{ background-color: rgb(98, 89,  
167) }
```

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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