

Converting Colors

XYZ(15.6872, 15.3997, 38.2224)

Have a look what the booklet for
XYZ(15.6872, 15.3997, 38.2224)
contains.

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Color

**XYZ(15.6598, 15.3959,
38.2227)**

Conversions

Conversions Part 1

Format	Color
Hex	506DA6
RGB	80, 109, 166
RGB Percent	31%, 43%, 65%
CMY	0.6863, 0.5725, 0.3490
CMYK	0.52, 0.34, 0.00, 0.35
HSL	220°, 35%, 48%
HSV	220°, 52%, 65%
XYZ	15.6598, 15.3959, 38.2227
YIQ	106.8270, -35.5810, 11.5790

Conversions

Conversions Part 2

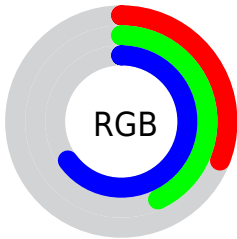
Format	Color
R _Y B	80, 102, 166
Decimal	5270950
CIE Lab	46.17, 6.12, -33.89
CIE LCh	46, 34.442, 280.243
Yxy	15.3959, 0.2260, 0.2222
Android (android.graphics.Color)	4283461030 (0xFF506DA6)
YUV	106.8270, 29.1723, -23.5273
Hunter-Lab	39.2376, 2.5739, -30.2901

Details

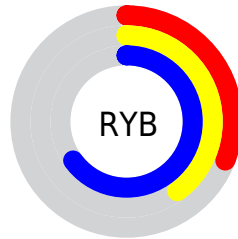
The XYZ color **15.6598, 15.3959, 38.2227** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **26.1201, 26.5784, 11.3436**, and the grayscale version is **13.8567, 14.5783, 15.8757**.

A 20% lighter version of the original color is **35.4535, 35.4304, 73.3768**, and **5.0691, 4.8196, 16.5827** is the 20% darker color. If you saturate the color by 10%, you get **13.3264, 12.5585, 37.7983**, and if you desaturate by 10%, it is **18.4876, 18.7068, 38.7130**.

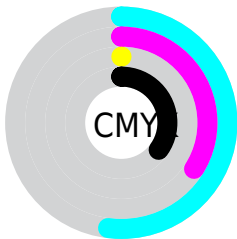
Distribution



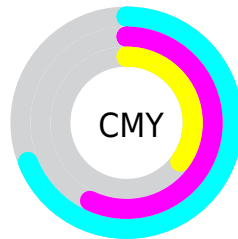
- Red (31%)
- Green (43%)
- Blue (65%)



- Red (31%)
- Yellow (40%)
- Blue (65%)



- Cyan (52%)
- Magenta (34%)
- Yellow (0%)
- Black (35%)



- Cyan (69%)
- Magenta (57%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6598, 15.3959, 38.2227 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 15.6598, 15.3959, 38.2227 by changing the saturation by 10% instead.

■ 15.6598, 15.3959,
38.2227

■ 15.6598, 15.3959,
38.2227

220.6359,
225.7501, 353.9011

■ 9.3731, 9.0977,
25.8524

■ 35.5688, 35.5462,
73.6566

■ 5.0444, 4.8050,
16.4885

■ 49.9218, 50.1671,
97.5572

■ 2.3083, 2.1333,
9.7124

■ 67.6943, 68.3311,
126.1384

■ 0.7989, 0.6832,
5.1056

■ 89.2515, 90.4225,
159.8186

■ 0.0000, 0.0000,
2.2495

■ 114.9590,
116.8257, 199.0165

■ 0.0000, 0.0000,
0.7027

145.1819,

■ 0.0000, 0.0000,

147.9251, 244.1505

0.0000

180.2858,
184.1051, 295.6392

■ 15.6598, 15.3959,
38.2227

■ 15.6598, 15.3959,
38.2227

■ 13.3264, 12.5585,
37.7983

■ 18.4876, 18.7068,
38.7130

■ 11.4541, 10.1687,
37.4357

■ 21.8365, 22.5118,
39.2710

■ 10.0084, 8.2003,
37.1320

■ 25.7332, 26.8323,
39.8995

■ 8.9478, 6.6230,
36.8834

■ 30.2021, 31.6876,
40.6012

■ 8.2959, 5.5791,
36.7163

■ 35.2661, 37.0962,
41.3782

■ 40.9466, 43.0756,
42.2330

■ 47.2641, 49.6424,
43.1675

■ 54.2380, 56.8126,
44.1839

■ 61.8871, 64.6015,
45.2842

Harmonies

Analogous

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



12.8078, 15.3959, 37.0337



15.6598, 15.3959, 38.2227



18.5895, 15.3959, 32.3702

Triad

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



15.6598, 15.3959, 38.2227



19.3764, 15.3959, 8.3413



9.9396, 15.3959, 11.8731

Complementary

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



15.6598, 15.3959, 38.2227



26.1201, 26.5784, 11.3436

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.



11.2825, 15.3959, 7.2071



15.6598, 15.3959, 38.2227



16.6246, 15.3959, 5.6910

Square

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



15.6598, 15.3959, 38.2227



20.9175, 15.3959, 14.0511



13.6527, 15.3959, 5.3601



9.7537, 15.3959, 19.8044

Rectangle

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



15.6598, 15.3959, 38.2227



20.0985, 15.3959, 26.1304



13.6527, 15.3959, 5.3601



10.2613, 15.3959, 9.9545

Sweetspot

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



15.6604, 15.3964, 38.2231



51.0391, 53.4290, 73.0981



21.3818, 30.7530, 28.0649



11.0661, 11.5698, 16.3021



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.



15.6604, 15.3964, 38.2231



23.6808, 22.1618, 68.5048



14.2563, 10.8132, 37.4124



7.3308, 7.6986, 9.5179



6.4725, 4.4052, 28.4846



0.2045, 0.2013, 0.7087

Inverse Universe

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



21.3553, 14.9491, 16.2284



35.4611, 22.3533, 22.7572



28.2404, 34.6340, 12.7867



7.6316, 7.5825, 8.3772



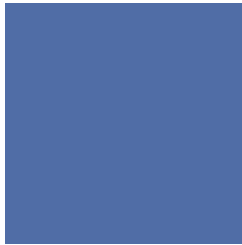
12.7676, 6.5158, 3.5878



0.3344, 0.1680, 0.2123

Previews

White Background



This preview shows how the XYZ color 15.6598, 15.3959, 38.2227 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 15.6598, 15.3959, 38.2227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

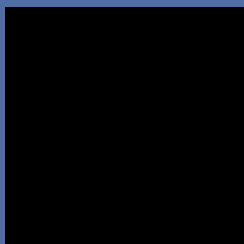
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

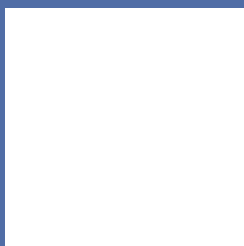
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.6598, 15.3959, 38.2227

Background



This preview shows how black text looks on a background with the XYZ color 15.6598, 15.3959, 38.2227.



This preview shows how white text looks on a background with the XYZ color 15.6598, 15.3959,

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

15.6598, 15.3959, 38.2227

Protanopia

16.0784, 15.3196, 37.2315

Deuteranopia

15.7449, 15.4398, 38.2267



Tritanopia

12.4419, 15.4222, 22.0597

Trichromacy



Original Color

15.6598, 15.3959, 38.2227

Protanomaly

15.9918, 15.4202, 37.7308

Deuteranomaly

15.7449, 15.4398, 38.2267

Tritanomaly

13.4975, 15.3354, 27.4479

Monochromacy



Original Color

15.6598, 15.3959, 38.2227

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.1886, 14.8250, 22.5358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6598, 15.3959, 38.2227 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(80, 109, 166)` looks like.

```
.text, #text, p{  
    color:rgb(80, 109, 166)  
}
```

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(80, 109, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 109, 166) }
```

Border

The CSS property to change the border of an element to XYZ 15.6598, 15.3959, 38.2227 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(80, 109, 166) }
```


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

```
.border{ border-color:rgb(80, 109, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 109, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 109, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 109, 166);  
box-shadow:4px 4px 4px 4px rgb(80, 109,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6598, 15.3959, 38.2227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 109, 166) }
```

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

```
.background{ background-color: rgb(80, 109,  
166) }
```

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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