

Converting Colors

XYZ(15.8068, 14.3467, 35.1648)

Have a look what the booklet for
XYZ(15.8068, 14.3467, 35.1648)
contains.

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Color

**XYZ(15.8227, 14.3322,
35.1902)**

Conversions

Conversions Part 1

Format	Color
Hex	6065A0
RGB	96, 101, 160
RGB Percent	38%, 40%, 63%
CMY	0.6235, 0.6039, 0.3725
CMYK	0.40, 0.37, 0.00, 0.37
HSL	235°, 25%, 50%
HSV	235°, 40%, 63%
XYZ	15.8227, 14.3322, 35.1902
YIQ	106.2310, -21.9190, 17.2890

Conversions

Conversions Part 2

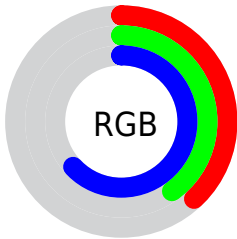
Format	Color
R _Y B	96, 101, 160
Decimal	6317472
CIE Lab	44.71, 13.39, -32.59
CIE LCh	45, 35.231, 292.340
Yxy	14.3322, 0.2421, 0.2193
Android (android.graphics.Color)	4284507552 (0xFF6065A0)
YUV	106.2310, 26.5081, -8.9726
Hunter-Lab	37.8579, 8.3527, -28.6115

Details

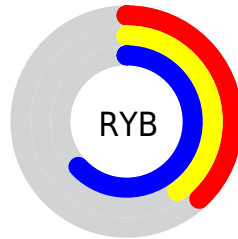
The XYZ color **15.8227, 14.3322, 35.1902** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.3304, 31.7615, 15.7044**, and the grayscale version is **13.6972, 14.4105, 15.6931**.

A 20% lighter version of the original color is **35.8884, 33.7523, 68.9133**, and **5.1552, 4.3730, 14.7597** is the 20% darker color. If you saturate the color by 10%, you get **13.0016, 10.9395, 34.6843**, and if you desaturate by 10%, it is **19.2445, 18.4167, 35.7985**.

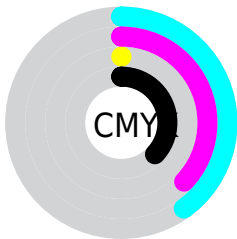
Distribution



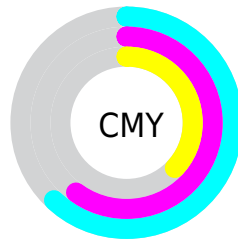
- Red (38%)
- Green (40%)
- Blue (63%)



- Red (38%)
- Yellow (40%)
- Blue (63%)



- Cyan (40%)
- Magenta (37%)
- Yellow (0%)
- Black (37%)



- Cyan (62%)
- Magenta (60%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8227, 14.3322, 35.1902 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 15.8227, 14.3322, 35.1902 by changing the saturation by 10% instead.

■ 15.8227, 14.3322,
35.1902

■ 15.8227, 14.3322,
35.1902

221.5842,
219.2878, 340.3368

■ 9.4888, 8.3521,
23.5247

■ 35.8501, 33.6773,
68.9352

■ 5.1210, 4.3211,
14.7725

■ 50.2743, 47.8111,
91.8518

■ 2.3539, 1.8547,
8.5150

■ 68.1260, 65.4316,
119.3559

■ 0.8220, 0.5209,
4.3338

■ 89.7705, 86.9231,
151.8659

■ 0.0000, 0.0000,
1.8102

115.5733,
112.6701, 189.8005

■ 0.0000, 0.0000,
0.4347

145.8996,

■ 0.0000, 0.0000,

143.0569, 233.5781

0.0000

181.1148,
178.4680, 283.6174

■ 15.8227, 14.3322,
35.1902

■ 15.8227, 14.3322,
35.1902

■ 13.0016, 10.9395,
34.6843

■ 19.2445, 18.4167,
35.7985

■ 10.7450, 8.1987,
34.2742

■ 23.2973, 23.2267,
36.5133

■ 9.0151, 6.0682,
33.9542

■ 28.0114, 28.7957,
37.3398

■ 7.7690, 4.5012,
33.7174

■ 33.4143, 35.1546,
38.2824

■ 6.9566, 3.4437,
33.5561

■ 39.5324, 42.3324,
39.3454

■ 6.4829, 2.8133,
33.4594

■ 46.3903, 50.3571,
40.5329

■ 6.4828, 2.8133,
33.4594

■ 54.0117, 59.2548,
41.8486

■ 62.4192, 69.0509,
43.2963

■ 71.6344, 79.7696,
44.8796

Harmonies

Analogous

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



12.9020, 14.3322, 37.0129



15.8227, 14.3322, 35.1902



18.4592, 14.3322, 27.3492

Triad

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



15.8227, 14.3322, 35.1902



17.2683, 14.3322, 6.1591



8.8643, 14.3322, 13.5977

Complementary

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



15.8227, 14.3322, 35.1902



28.3304, 31.7615, 15.7044

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.



9.7141, 14.3322, 7.8216



15.8227, 14.3322, 35.1902



14.3690, 14.3322, 4.6182

Square

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



15.8227, 14.3322, 35.1902



19.3719, 14.3322, 10.3491



11.6360, 14.3322, 5.0966



9.1404, 14.3322, 22.3943

Rectangle

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



15.8227, 14.3322, 35.1902



19.5669, 14.3322, 20.8907



11.6360, 14.3322, 5.0966



9.0231, 14.3322, 11.2963

Sweetspot

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



15.8232, 14.3327, 35.1905



48.8423, 49.9041, 67.4447



23.2836, 29.9842, 35.4245



10.4806, 10.6718, 14.7511



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.



15.8232, 14.3327, 35.1905



24.1063, 20.4657, 63.0663



18.6494, 15.0909, 35.1879



6.3243, 6.5144, 8.3308



5.0642, 2.2200, 26.0688



0.1014, 0.0613, 0.4697

Inverse Universe

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



21.0295, 16.7795, 14.4428



34.9487, 25.7244, 19.8213



24.4082, 31.0003, 15.7642



6.6530, 6.6541, 7.0241



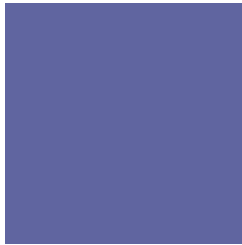
11.3544, 5.8463, 0.8513



0.2085, 0.1067, 0.0439

Previews

White Background



This preview shows how the XYZ color 15.8227, 14.3322, 35.1902 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 15.8227, 14.3322, 35.1902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

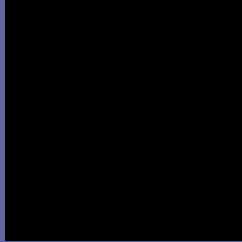
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8227, 14.3322, 35.1902

Background



This preview shows how black text looks on a background with the XYZ color 15.8227, 14.3322, 35.1902.

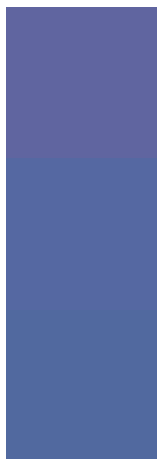


This preview shows how white text looks on a background with the XYZ color 15.8227, 14.3322,

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

15.8227, 14.3322, 35.1902

Protanopia

15.2182, 14.4406, 36.1676

Deuteranopia

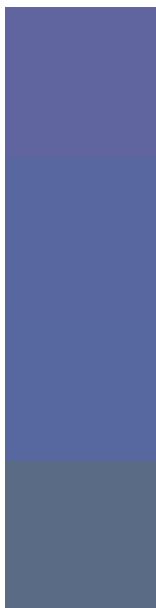
14.7029, 14.3557, 34.7969



Tritanopia

12.6837, 14.4383, 19.2579

Trichromacy



Original Color

15.8227, 14.3322, 35.1902

Protanomaly

15.4031, 14.3976, 35.6854

Deuteranomaly

15.0461, 14.3823, 34.7839

Tritanomaly

13.7078, 14.3825, 24.2439

Monochromacy



Original Color

15.8227, 14.3322, 35.1902

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.1957, 14.2318, 21.7375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8227, 14.3322, 35.1902 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(96, 101, 160) looks like.

```
.text, #text, p{  
    color:rgb(96, 101, 160)  
}
```

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(96, 101, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 101, 160) }
```

Border

The CSS property to change the border of an element to XYZ 15.8227, 14.3322, 35.1902 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(96, 101, 160) }
```


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

```
.border{ border-color:rgb(96, 101, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 101, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 101, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 101, 160);  
box-shadow:4px 4px 4px 4px rgb(96, 101,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8227, 14.3322, 35.1902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 101, 160) }
```

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

```
.background{ background-color: rgb(96, 101,  
160) }
```

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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