

Converting Colors

XYZ(15.8173, 13.6009, 58.9179)

Have a look what the booklet for
XYZ(15.8173, 13.6009, 58.9179)
contains.

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Color

**XYZ(15.8572, 13.6806,
58.9316)**

Conversions

Conversions Part 1

Format	Color
Hex	1964CC
RGB	25, 100, 204
RGB Percent	10%, 39%, 80%
CMY	0.9019, 0.6078, 0.2000
CMYK	0.88, 0.51, 0.00, 0.20
HSL	215°, 78%, 45%
HSV	215°, 88%, 80%
XYZ	15.8572, 13.6806, 58.9316
YIQ	89.4310, -78.0840, 16.4440

Conversions

Conversions Part 2

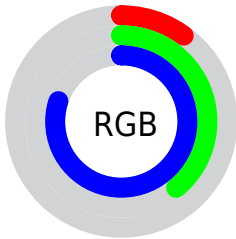
Format	Color
R_{YB}	25, 78, 204
Decimal	1664204
CIE _{Lab}	43.77, 17.62, -59.94
CIE _{LCh}	44, 62.471, 286.381
Yxy	13.6806, 0.1792, 0.1546
Android (android.graphics.Color)	4279854284 (0xFF1964CC)
YUV	89.4310, 56.4825, -56.5060
Hunter-Lab	36.9873, 11.7988, -68.5752

Details

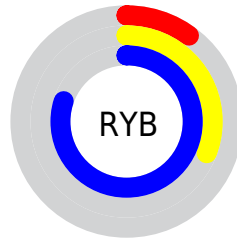
The XYZ color **15.8572, 13.6806, 58.9316** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **32.9317, 28.6156, 4.7089**, and the grayscale version is **9.4839, 9.9778, 10.8658**.

A 20% lighter version of the original color is **34.7820, 32.0360, 98.9581**, and **6.7910, 4.9023, 29.0221** is the 20% darker color. If you saturate the color by 10%, you get **14.4587, 11.3928, 58.5641**, and if you desaturate by 10%, it is **17.7783, 16.4834, 59.3717**.

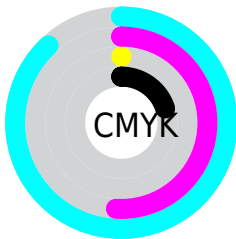
Distribution



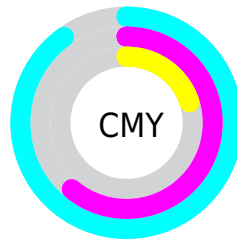
- Red (10%)
- Green (39%)
- Blue (80%)



- Red (10%)
- Yellow (31%)
- Blue (80%)



- Cyan (88%)
- Magenta (51%)
- Yellow (0%)
- Black (20%)



- Cyan (90%)
- Magenta (61%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8572, 13.6806, 58.9316 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 15.8572, 13.6806, 58.9316 by changing the saturation by 10% instead.

■ 15.8572, 13.6806,
58.9316

■ 15.8572, 13.6806,
58.9316

221.7846,
215.2347, 438.3432

■ 9.5134, 7.8989,
42.1384

■ 35.9096, 32.5212,
104.8064

■ 5.1373, 4.0303,
28.8833

■ 50.3488, 46.3489,
134.7251

■ 2.3636, 1.6905,
18.7477

■ 68.2173, 63.6273,
169.8560

■ 0.8269, 0.4175,
11.3132

■ 89.8802, 84.7409,
210.6177

■ 0.0000, 0.0000,
6.1611

■ 115.7031,
110.0740, 257.4287

■ 0.0000, 0.0000,
2.8729

146.0512,

■ 0.0000, 0.0000,

140.0111, 310.7076

1.0301

181.2899,
174.9365, 370.8730

■ 0.0000, 0.0000,
0.0000

■ 15.8572, 13.6806,
58.9316

■ 15.8572, 13.6806,
58.9316

■ 14.4587, 11.3928,
58.5641

■ 17.7783, 16.4834,
59.3717

■ 14.1837, 10.9288,
58.4890

■ 20.3054, 19.8542,
59.8891

■ 23.5006, 23.8343,
60.4890

■ 27.4165, 28.4598,
61.1754

■ 32.1005, 33.7636,
61.9522

■ 37.5953, 39.7757,
62.8231

■ 43.9403, 46.5244,
63.7913

■ 51.1723, 54.0361,
64.8600

■ 59.3259, 62.3359,
66.0323

Harmonies

Analogous

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



10.9005, 13.6806, 59.7810



15.8572, 13.6806, 58.9316



21.1231, 13.6806, 42.4884

Triad

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



15.8572, 13.6806, 58.9316



20.6807, 13.6806, 2.6321



5.8063, 13.6806, 9.3844

Complementary

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



15.8572, 13.6806, 58.9316



32.9317, 28.6156, 4.7089

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.



7.2870, 13.6806, 2.9336



15.8572, 13.6806, 58.9316



15.3598, 13.6806, 1.0330

Square

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



15.8572, 13.6806, 58.9316



24.3528, 13.6806, 8.4877



10.5136, 13.6806, 1.0911



5.8755, 13.6806, 23.9163

Rectangle

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



15.8572, 13.6806, 58.9316



23.7375, 13.6806, 28.5988



10.5136, 13.6806, 1.0911



6.1193, 13.6806, 6.4650

Sweetspot

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



15.8579, 13.6810, 58.9320



63.6392, 67.3551, 104.2544



25.7893, 44.9109, 27.1991



12.8896, 13.6270, 22.2009



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



15.8579, 13.6810, 58.9320



23.2890, 17.6980, 96.7963



12.0088, 5.4486, 57.5458



10.9815, 11.6034, 14.2313



9.0149, 7.0538, 36.8426



0.5395, 0.5128, 1.9255

Inverse Universe

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



27.5504, 14.4540, 13.3943



43.8844, 22.3178, 15.8553



43.5245, 54.4718, 9.1413



11.4040, 11.2903, 12.6621



16.7612, 8.5151, 6.4612



0.9023, 0.4543, 0.5313

Previews

White Background



This preview shows how the XYZ color 15.8572, 13.6806, 58.9316 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 15.8572, 13.6806, 58.9316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

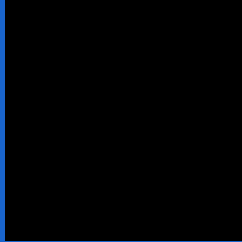
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.8572, 13.6806, 58.9316

Background



This preview shows how black text looks on a background with the XYZ color 15.8572, 13.6806, 58.9316.



This preview shows how white text looks on a background with the XYZ color 15.8572, 13.6806,

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

15.8572, 13.6806, 58.9316

Protanopia

15.9689, 13.6105, 58.2854

Deuteranopia

13.5988, 13.5220, 46.6930



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

15.8572, 13.6806, 58.9316

Protanomaly

15.8370, 13.5426, 58.2792

Deuteranomaly

14.3669, 13.5202, 51.1427

Tritanomaly

11.2488, 13.2624, 31.6728

Monochromacy



Original Color

15.8572, 13.6806, 58.9316

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.2579, 10.6256, 22.9830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8572, 13.6806, 58.9316 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(25, 100, 204)` looks like.

```
.text, #text, p{  
    color:rgb(25, 100, 204)  
}
```

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(25, 100, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 100, 204) }
```

Border

The CSS property to change the border of an element to XYZ 15.8572, 13.6806, 58.9316 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(25, 100, 204) }
```


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

```
.border{ border-color:rgb(25, 100, 204) }
```

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

Here you see how a box with a 4 pixel rgb(25, 100, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 100, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 100, 204);  
box-shadow:4px 4px 4px 4px rgb(25, 100,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8572, 13.6806, 58.9316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 100, 204) }
```

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

```
.background{ background-color: rgb(25, 100,  
204) }
```

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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