

Converting Colors

XYZ(13.6343, 14.6347, 54.6323)

Have a look what the booklet for
XYZ(13.6343, 14.6347, 54.6323)
contains.

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Color

**XYZ(15.9832, 15.8415,
55.0386)**

Conversions

Conversions Part 1

Format	Color
Hex	0071C5
RGB	0, 113, 197
RGB Percent	0%, 44%, 77%
CMY	0.9998, 0.5569, 0.2274
CMYK	1.00, 0.43, 0.00, 0.23
HSL	206°, 100%, 39%
HSV	206°, 100%, 77%
XYZ	15.9832, 15.8415, 55.0386
YIQ	88.7890, -94.3120, 2.1680

Conversions

Conversions Part 2

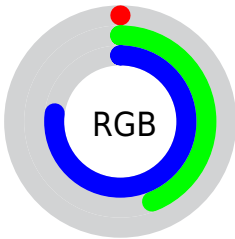
Format	Color
RYB	0, 72, 197
Decimal	29125
CIELab	46.77, 5.44, -51.10
CIELCh	47, 51.390, 276.074
Yxy	15.8415, 0.1840, 0.1824
Android (android.graphics.Color)	4278219205 (0xFF0071C5)
YUV	88.7890, 53.3480, -77.8680
Hunter-Lab	39.8014, 2.0285, -54.1271

Details

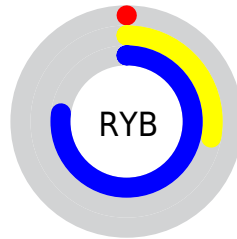
The XYZ color **15.9832, 15.8415, 55.0386** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **26.2001, 18.2181, 2.1368**, and the grayscale version is **9.3531, 9.8402, 10.7160**.

A 20% lighter version of the original color is **36.0946, 36.2481, 98.8601**, and **6.8307, 5.8494, 26.3602** is the 20% darker color. If you saturate the color by 10%, you get **15.9812, 15.8374, 55.0383**, and if you desaturate by 10%, it is **17.2478, 17.9501, 55.3793**.

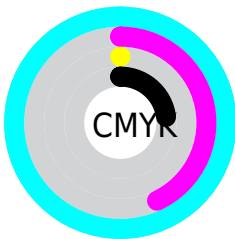
Distribution



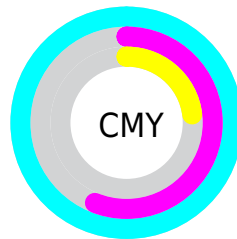
- Red (0%)
- Green (44%)
- Blue (77%)



- Red (0%)
- Yellow (28%)
- Blue (77%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (23%)



- Cyan (100%)
- Magenta (56%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9832, 15.8415, 55.0386 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 15.9832, 15.8415, 55.0386 by changing the saturation by 10% instead.

■ 15.9832, 15.8415,
55.0386

■ 15.9832, 15.8415,
55.0386

222.5149,
228.4046, 423.3443

■ 9.6030, 9.4121,
39.0338

■ 36.1267, 36.3228,
99.0692

■ 5.1968, 5.0109,
26.4780

■ 50.6208, 51.1435,
127.9322

■ 2.3991, 2.2537,
16.9526

■ 68.5502, 69.5300,
161.9182

■ 0.8447, 0.7490,
10.0391

■ 90.2803, 91.8669,
201.4459

■ 0.0000, 0.0000,
5.3190

■ 116.1765,
118.5383, 246.9339

■ 0.0000, 0.0000,
2.3736

■ 146.6041,

■ 0.0000, 0.0000,

149.9288, 298.8005

0.7720

181.9284,
186.4228, 357.4645

■ 0.0000, 0.0000,
0.0000

■ 15.9832, 15.8415,
55.0386

■ 15.9832, 15.8415,
55.0386

■ 15.9812, 15.8374,
55.0383

■ 17.2478, 17.9501,
55.3793

■ 18.8884, 20.3846,
55.7628

■ 21.0085, 23.2017,
56.1948

■ 23.6626, 26.4327,
56.6785

■ 26.8972, 30.1044,
57.2168

■ 30.7531, 34.2410,
57.8120

■ 35.2674, 38.8641,
58.4664

■ 40.4738, 43.9942,
59.1822

■ 46.4038, 49.6499,
59.9613

Harmonies

Analogous

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



11.8383, 15.8415, 50.8710



15.9832, 15.8415, 55.0386



20.6954, 15.8415, 45.7085

Triad

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



15.9832, 15.8415, 55.0386



23.1111, 15.8415, 6.4481



8.4969, 15.8415, 9.0791

Complementary

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



15.9832, 15.8415, 55.0386



26.2001, 18.2181, 2.1368

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.



10.5486, 15.8415, 4.0353



15.9832, 15.8415, 55.0386



18.8115, 15.8415, 3.1263

Square

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



15.9832, 15.8415, 55.0386



25.3020, 15.8415, 14.7769



14.1670, 15.8415, 2.5359



8.0349, 15.8415, 19.9819

Rectangle

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



15.9832, 15.8415, 55.0386



23.3575, 15.8415, 34.9193



14.1670, 15.8415, 2.5359



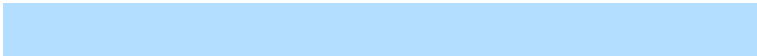
9.0005, 15.8415, 6.8478

Sweetspot

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



15.9839, 15.8420, 55.0390



62.7456, 69.1854, 104.6548



21.4941, 40.5439, 14.6974



12.6630, 14.0305, 22.2907



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.



15.9839, 15.8420, 55.0390



28.3667, 27.8534, 98.4889



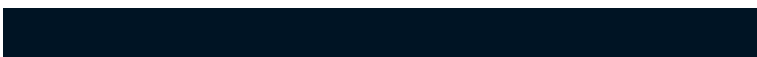
10.2708, 4.4158, 53.1347



10.5532, 11.2804, 13.5386



10.5957, 10.5854, 36.2291



0.5725, 0.6428, 1.7390

Inverse Universe

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



26.0073, 13.0636, 16.7738



46.4474, 23.3430, 29.3517



39.4665, 44.7508, 6.5589



10.8845, 10.7372, 12.3751



17.1476, 8.6086, 11.2529



0.8477, 0.4219, 0.7209

Previews

White Background



This preview shows how the XYZ color 15.9832, 15.8415, 55.0386 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 15.9832, 15.8415, 55.0386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

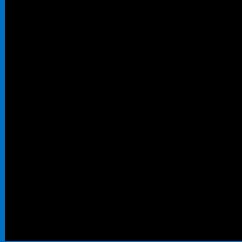
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9832, 15.8415, 55.0386

Background



This preview shows how black text looks on a background with the XYZ color 15.9832, 15.8415, 55.0386.



This preview shows how white text looks on a background with the XYZ color 15.9832, 15.8415,

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

15.9832, 15.8415, 55.0386

Protanopia

17.6246, 15.9474, 52.0184

Deuteranopia

16.3242, 15.8526, 55.0228



Tritanopia

11.1797, 15.8046, 23.9341

Trichromacy



Original Color

15.9832, 15.8415, 55.0386

Protanomaly

16.4402, 15.6277, 53.1889

Deuteranomaly

16.1034, 15.7387, 55.0125

Tritanomaly

12.5132, 15.5602, 33.3543

Monochromacy



Original Color

15.9832, 15.8415, 55.0386

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.9513, 11.1637, 22.0524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9832, 15.8415, 55.0386 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(0, 113, 197)` looks like.

```
.text, #text, p{  
    color:rgb(0, 113, 197)  
}
```

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(0, 113, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 113, 197) }
```

Border

The CSS property to change the border of an element to XYZ 15.9832, 15.8415, 55.0386 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(0, 113, 197) }
```


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

```
.border{ border-color:rgb(0, 113, 197) }
```

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

Here you see how a box with a 4 pixel rgb(0, 113, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 113, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 113, 197);  
box-shadow:4px 4px 4px 4px rgb(0, 113,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9832, 15.8415, 55.0386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 113, 197) }
```

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

```
.background{ background-color: rgb(0, 113,  
197) }
```

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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