

Converting Colors

XYZ(13.9289, 14.6242, 55.3239)

Have a look what the booklet for
XYZ(13.9289, 14.6242, 55.3239)
contains.

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Color

**XYZ(15.9872, 15.6656,
55.6072)**

Conversions

Conversions Part 1

Format	Color
Hex	0070C6
RGB	0, 112, 198
RGB Percent	0%, 44%, 78%
CMY	0.9998, 0.5608, 0.2235
CMYK	1.00, 0.43, 0.00, 0.22
HSL	206°, 100%, 39%
HSV	206°, 100%, 78%
XYZ	15.9872, 15.6656, 55.6072
YIQ	88.3160, -94.3580, 3.0020

Conversions

Conversions Part 2

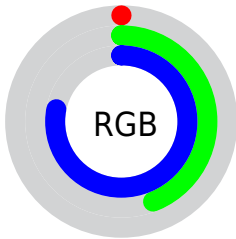
Format	Color
RYB	0, 72, 198
Decimal	28870
CIELab	46.53, 6.47, -52.05
CIELCh	47, 52.450, 277.082
Yxy	15.6656, 0.1832, 0.1795
Android (android.graphics.Color)	4278218950 (0xFF0070C6)
YUV	88.3160, 54.0742, -77.4531
Hunter-Lab	39.5798, 2.8357, -55.5930

Details

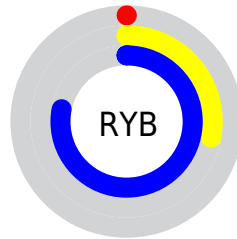
The XYZ color **15.9872, 15.6656, 55.6072** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **26.6200, 18.6678, 2.2014**, and the grayscale version is **9.2479, 9.7295, 10.5954**.

A 20% lighter version of the original color is **36.0770, 35.9558, 99.6464**, and **6.8482, 5.7638, 26.7382** is the 20% darker color. If you saturate the color by 10%, you get **15.9855, 15.6620, 55.6070**, and if you desaturate by 10%, it is **17.2675, 17.8027, 55.9526**.

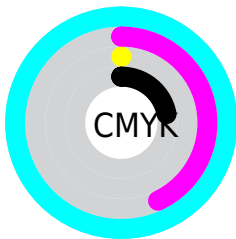
Distribution



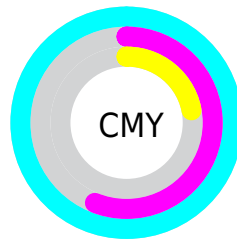
- Red (0%)
- Green (44%)
- Blue (78%)



- Red (0%)
- Yellow (28%)
- Blue (78%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9872, 15.6656, 55.6072 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 15.9872, 15.6656, 55.6072 by changing the saturation by 10% instead.

■ 15.9872, 15.6656,
55.6072

■ 15.9872, 15.6656,
55.6072

222.5380,
227.3603, 425.5562

■ 9.6059, 9.2878,
39.4862

■ 36.1336, 36.0167,
99.9101

■ 5.1987, 4.9294,
26.8274

■ 50.6294, 50.7588,
128.9290

■ 2.4003, 2.2059,
17.2124

■ 68.5608, 69.0578,
163.0844

■ 0.8452, 0.7232,
10.2225

■ 90.2930, 91.2981,
202.7947

■ 0.0000, 0.0000,
5.4392

■ 116.1915,
117.8642, 248.4785

■ 0.0000, 0.0000,
2.4440

■ 146.6216,

■ 0.0000, 0.0000,

149.1403, 300.5543

0.8102

181.9487,
185.5109, 359.4407

■ 0.0000, 0.0000,
0.0000

■ 15.9872, 15.6656,
55.6072

■ 15.9872, 15.6656,
55.6072

■ 15.9855, 15.6620,
55.6070

■ 17.2675, 17.8027,
55.9526

■ 18.9315, 20.2756,
56.3422

■ 21.0836, 23.1419,
56.7820

■ 23.7794, 26.4335,
57.2753

■ 27.0660, 30.1780,
57.8248

■ 30.9849, 34.3998,
58.4332

■ 35.5737, 39.1214,
59.1027

■ 40.8666, 44.3634,
59.8355

■ 46.8957, 50.1452,
60.6337

Harmonies

Analogous

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



11.7547, 15.6656, 51.7947



15.9872, 15.6656, 55.6072



20.7697, 15.6656, 45.6221

Triad

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



15.9872, 15.6656, 55.6072



22.9565, 15.6656, 6.0196



8.2328, 15.6656, 9.0835

Complementary

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



15.9872, 15.6656, 55.6072



26.6200, 18.6678, 2.2014

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.



10.2395, 15.6656, 3.9078



15.9872, 15.6656, 55.6072



18.5376, 15.6656, 2.8677

Square

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



15.9872, 15.6656, 55.6072



25.2887, 15.6656, 14.1686



13.8436, 15.6656, 2.3602



7.8222, 15.6656, 20.3139

Rectangle

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



15.9872, 15.6656, 55.6072



23.4432, 15.6656, 34.4776



13.8436, 15.6656, 2.3602



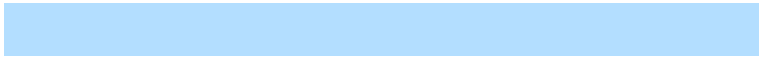
8.7200, 15.6656, 6.7900

Sweetspot

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



15.9879, 15.6661, 55.6076



62.5843, 68.8627, 104.6010



21.8673, 41.0577, 15.5391



12.6247, 13.9538, 22.2779



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.



15.9879, 15.6661, 55.6076



28.0568, 27.2335, 98.3856



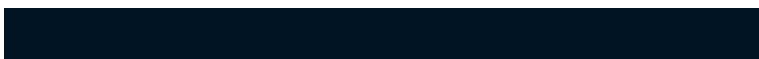
10.3406, 4.3715, 53.7252



10.5461, 11.2662, 13.5362



10.4821, 10.3581, 36.1912



0.5674, 0.6326, 1.7373

Inverse Universe

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



26.2140, 13.1766, 16.4912



46.2909, 23.2804, 28.5279



40.5969, 46.6216, 6.8603



10.8809, 10.7357, 12.3561



17.0902, 8.5856, 10.9509



0.8451, 0.4209, 0.7075

Previews

White Background



This preview shows how the XYZ color 15.9872, 15.6656, 55.6072 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 15.9872, 15.6656, 55.6072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

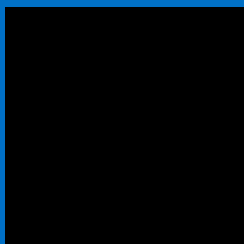
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9872, 15.6656, 55.6072

Background



This preview shows how black text looks on a background with the XYZ color 15.9872, 15.6656, 55.6072.



This preview shows how white text looks on a background with the XYZ color 15.9872, 15.6656,

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

15.9872, 15.6656, 55.6072

Protanopia

17.4091, 15.6677, 52.5587

Deuteranopia

16.1532, 15.7511, 55.6150



Tritanopia

11.0563, 15.5578, 23.8930

Trichromacy



Original Color

15.9872, 15.6656, 55.6072

Protanomaly

16.4012, 15.4353, 53.7446

Deuteranomaly

16.0874, 15.7172, 55.6119

Tritanomaly

12.3948, 15.3234, 33.3148

Monochromacy



Original Color

15.9872, 15.6656, 55.6072

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

9.8019, 10.9487, 22.0188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9872, 15.6656, 55.6072 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, 112, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 198)  
}
```

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, 112, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 198) }
```

Border

The CSS property to change the border of an element to XYZ 15.9872, 15.6656, 55.6072 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, 112, 198) }
```


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

```
.border{ border-color:rgb(0, 112, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9872, 15.6656, 55.6072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 198) }
```

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

```
.background{ background-color: rgb(0, 112,  
198) }
```

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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