

Converting Colors

XYZ(1.2262, 8.4984, 55.7677)

Have a look what the booklet for
XYZ(1.2262, 8.4984, 55.7677)
contains.

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Color

**XYZ(16.4395, 16.3850,
56.3290)**

Conversions

Conversions Part 1

Format	Color
Hex	0073C7
RGB	0, 115, 199
RGB Percent	0%, 45%, 78%
CMY	0.9998, 0.5490, 0.2196
CMYK	1.00, 0.42, 0.00, 0.22
HSL	205°, 100%, 39%
HSV	205°, 100%, 78%
XYZ	16.4395, 16.3850, 56.3290
YIQ	90.1910, -95.5040, 1.7440

Conversions

Conversions Part 2

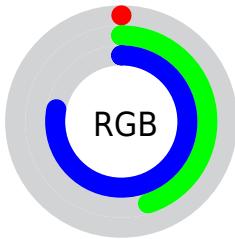
Format	Color
RYB	0, 73, 199
Decimal	29639
CIELab	47.48, 4.98, -51.11
CIELCh	47, 51.355, 275.565
Yxy	16.3850, 0.1844, 0.1838
Android (android.graphics.Color)	4278219719 (0xFF0073C7)
YUV	90.1910, 53.6428, -79.0975
Hunter-Lab	40.4784, 1.6571, -54.1720

Details

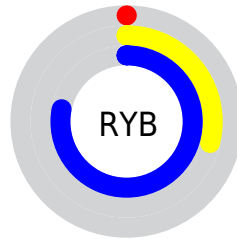
The XYZ color **16.4395, 16.3850, 56.3290** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **26.7269, 18.4889, 2.1612**, and the grayscale version is **9.6626, 10.1658, 11.0706**.

A 20% lighter version of the original color is **36.6160, 37.0338, 99.8261**, and **7.1012, 6.1479, 27.1979** is the 20% darker color. If you saturate the color by 10%, you get **16.4378, 16.3815, 56.3288**, and if you desaturate by 10%, it is **17.7291, 18.5376, 56.6769**.

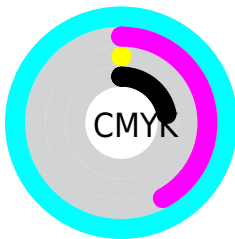
Distribution



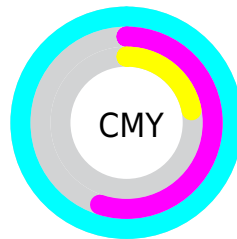
- Red (0%)
- Green (45%)
- Blue (78%)



- Red (0%)
- Yellow (29%)
- Blue (78%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (55%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4395, 16.3850, 56.3290 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 16.4395, 16.3850, 56.3290 by changing the saturation by 10% instead.

■ 16.4395, 16.3850,
56.3290

■ 16.4395, 16.3850,
56.3290

225.1411,
231.6029, 428.3533

■ 9.9285, 9.7970,
40.0610

■ 36.9108, 37.2653,
100.9760

■ 5.4135, 5.2646,
27.2720

■ 51.6019, 52.3264,
130.1922

■ 2.5291, 2.4033,
17.5433

■ 69.7504, 70.9806,
164.5614

■ 0.9099, 0.8276,
10.4566

■ 91.7216, 93.6124,
204.5023

■ 0.0000, 0.0000,
5.5932

■ 117.8809,
120.6061, 250.4334

■ 0.0000, 0.0000,
2.5346

■ 148.5937,

■ 0.0000, 0.0000,

152.3462, 302.7732

0.8584

184.2253,
189.2170, 361.9403

■ 0.0000, 0.0000,
0.0000

■ 16.4395, 16.3850,
56.3290

■ 16.4395, 16.3850,
56.3290

■ 16.4378, 16.3815,
56.3288

■ 17.7291, 18.5376,
56.6769

■ 19.4024, 21.0209,
57.0680

■ 21.5648, 23.8925,
57.5083

■ 24.2722, 27.1842,
58.0010

■ 27.5721, 30.9237,
58.5489

■ 31.5064, 35.1353,
59.1544

■ 36.1129, 39.8414,
59.8200

■ 41.4263, 45.0625,
60.5478

■ 47.4786, 50.8180,
61.3397

Harmonies

Analogous

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



12.2203, 16.3850, 51.8659



16.4395, 16.3850, 56.3290



21.2511, 16.3850, 47.0610

Triad

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



16.4395, 16.3850, 56.3290



23.8516, 16.3850, 6.8570



8.8761, 16.3850, 9.3376

Complementary

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



16.4395, 16.3850, 56.3290



26.7269, 18.4889, 2.1612

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.



11.0094, 16.3850, 4.2167



16.4395, 16.3850, 56.3290



19.4899, 16.3850, 3.3525

Square

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



16.4395, 16.3850, 56.3290



26.0336, 16.3850, 15.5140



14.7384, 16.3850, 2.7008



8.3744, 16.3850, 20.3887

Rectangle

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



16.4395, 16.3850, 56.3290



23.9837, 16.3850, 36.1438



14.7384, 16.3850, 2.7008



9.4026, 16.3850, 7.0738

Sweetspot

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



16.4402, 16.3855, 56.3294



62.8333, 69.3607, 104.6840



21.9831, 41.4710, 15.0175



12.6838, 14.0721, 22.2976



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.



16.4402, 16.3855, 56.3294



28.5369, 28.1938, 98.5456



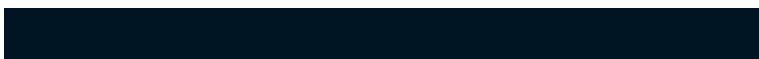
10.5040, 4.5130, 54.3507



10.5571, 11.2882, 13.5399



10.6581, 10.7101, 36.2499



0.5753, 0.6483, 1.7400

Inverse Universe

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



26.6483, 13.3809, 17.3982



46.5333, 23.3773, 29.8041



40.3678, 45.7707, 6.7081



10.8864, 10.7380, 12.3853



17.1791, 8.6212, 11.4187



0.8491, 0.4225, 0.7283

Previews

White Background



This preview shows how the XYZ color 16.4395, 16.3850, 56.3290 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 16.4395, 16.3850, 56.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

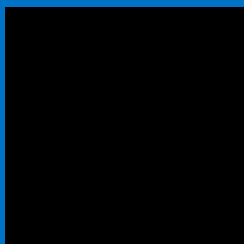
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4395, 16.3850, 56.3290

Background



This preview shows how black text looks on a background with the XYZ color 16.4395, 16.3850, 56.3290.



This preview shows how white text looks on a background with the XYZ color 16.4395, 16.3850,

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

16.4395, 16.3850, 56.3290

Protanopia

18.1079, 16.3282, 53.2362

Deuteranopia

16.9218, 16.4652, 56.3191



Tritanopia

11.5673, 16.3607, 24.7386

Trichromacy



Original Color

16.4395, 16.3850, 56.3290

Protanomaly

16.8672, 15.9828, 54.4205

Deuteranomaly

16.6146, 16.3069, 56.3047

Tritanomaly

12.9232, 16.1091, 34.3265

Monochromacy



Original Color

16.4395, 16.3850, 56.3290

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

10.1784, 11.4052, 22.7841

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4395, 16.3850, 56.3290 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, 115, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 199)  
}
```

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, 115, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 199) }
```

Border

The CSS property to change the border of an element to XYZ 16.4395, 16.3850, 56.3290 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, 115, 199) }
```


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

```
.border{ border-color:rgb(0, 115, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 115, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4395, 16.3850, 56.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 199) }
```

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

```
.background{ background-color: rgb(0, 115,  
199) }
```

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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