

Converting Colors

XYZ(4.0251, 8.6761, 56.1895)

Have a look what the booklet for
XYZ(4.0251, 8.6761, 56.1895)
contains.

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Color

**XYZ(15.6830, 14.6855,
56.6516)**

Conversions

Conversions Part 1

Format	Color
Hex	006BC8
RGB	0, 107, 200
RGB Percent	0%, 42%, 78%
CMY	0.9998, 0.5804, 0.2157
CMYK	1.00, 0.46, 0.00, 0.22
HSL	208°, 100%, 39%
HSV	208°, 100%, 78%
XYZ	15.6830, 14.6855, 56.6516
YIQ	85.6090, -93.6250, 6.2390

Conversions

Conversions Part 2

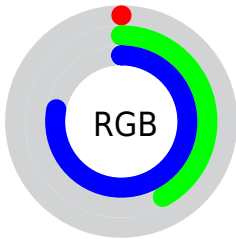
Format	Color
RYB	0, 70, 200
Decimal	27592
CIELab	45.20, 10.45, -55.34
CIELCh	45, 56.319, 280.690
Yxy	14.6855, 0.1802, 0.1688
Android (android.graphics.Color)	4278217672 (0xFF006BC8)
YUV	85.6090, 56.3948, -75.0791
Hunter-Lab	38.3217, 5.9876, -60.8243

Details

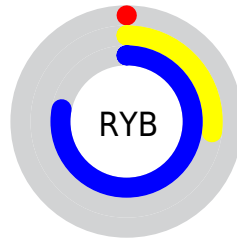
The XYZ color **15.6830, 14.6855, 56.6516** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **27.7379, 20.1157, 2.4220**, and the grayscale version is **8.6645, 9.1157, 9.9270**.

A 20% lighter version of the original color is **35.3139, 34.2704, 99.3613**, and **6.7796, 5.3818, 27.4695** is the 20% darker color. If you saturate the color by 10%, you get **15.6811, 14.6815, 56.6513**, and if you desaturate by 10%, it is **16.9951, 16.8799, 57.0064**.

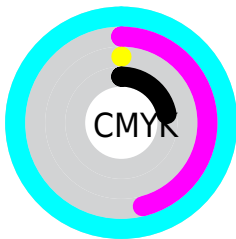
Distribution



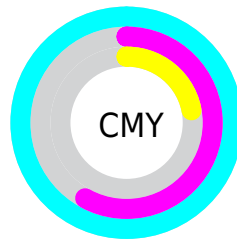
- Red (0%)
- Green (42%)
- Blue (78%)



- Red (0%)
- Yellow (27%)
- Blue (78%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (58%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.6830, 14.6855, 56.6516 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 15.6830, 14.6855, 56.6516 by changing the saturation by 10% instead.

■ 15.6830, 14.6855,
56.6516

■ 15.6830, 14.6855,
56.6516

220.7712,
221.4547, 429.5996

■ 9.3895, 8.5990,
40.3181

■ 35.6089, 34.3005,
101.4519

■ 5.0553, 4.4805,
27.4710

■ 49.9721, 48.5978,
130.7558

■ 2.3148, 1.9458,
17.6917

■ 67.7558, 66.4007,
165.2203

■ 0.8022, 0.5757,
10.5617

■ 89.3255, 88.0937,
205.2638

■ 0.0000, 0.0000,
5.6625

■ 115.0466,
114.0613, 251.3050

■ 0.0000, 0.0000,
2.5755

■ 145.2843,

■ 0.0000, 0.0000,

144.6877, 303.7623

0.8798

180.4041,
180.3573, 363.0543

■ 0.0000, 0.0000,
0.0000

■ 15.6830, 14.6855,
56.6516

■ 15.6830, 14.6855,
56.6516

■ 15.6811, 14.6815,
56.6513

■ 16.9951, 16.8799,
57.0064

■ 18.7125, 19.4429,
57.4106

■ 20.9424, 22.4340,
57.8704

■ 23.7421, 25.8872,
58.3893

■ 27.1606, 29.8318,
58.9706

■ 31.2410, 34.2941,
59.6168

■ 36.0222, 39.2980,
60.3307

■ 41.5399, 44.8655,
61.1145

■ 47.8273, 51.0175,
61.9706

Harmonies

Analogous

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



11.2056, 14.6855, 54.3682



15.6830, 14.6855, 56.6516



20.6357, 14.6855, 44.3207

Triad

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



15.6830, 14.6855, 56.6516



21.8935, 14.6855, 4.4323



7.1068, 14.6855, 8.9299

Complementary

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



15.6830, 14.6855, 56.6516



27.7379, 20.1157, 2.4220

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.



8.9032, 14.6855, 3.3732



15.6830, 14.6855, 56.6516



17.1280, 14.6855, 1.9545

Square

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



15.6830, 14.6855, 56.6516



24.7149, 14.6855, 11.6954



12.3646, 14.6855, 1.7193



6.8874, 14.6855, 21.2251

Rectangle

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



15.6830, 14.6855, 56.6516



23.2950, 14.6855, 32.0840



12.3646, 14.6855, 1.7193



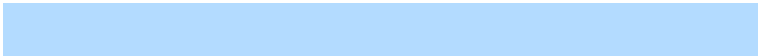
7.5238, 14.6855, 6.4459

Sweetspot

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



15.6837, 14.6859, 56.6520



61.9663, 67.6267, 104.3950



22.5014, 42.0477, 16.6082



12.4781, 13.6608, 22.2291



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.



15.6837, 14.6859, 56.6520



26.9106, 24.9412, 98.0035



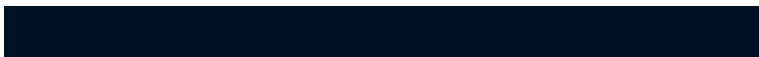
10.5349, 4.3884, 54.9358



10.5186, 11.2113, 13.5271



10.0610, 9.5159, 36.0508



0.5484, 0.5945, 1.7310

Inverse Universe

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



26.4739, 13.3419, 15.0899



45.7124, 23.0490, 25.4814



42.2339, 49.1076, 7.2540



10.8670, 10.7302, 12.2831



16.8777, 8.5006, 9.8316



0.8355, 0.4170, 0.6569

Previews

White Background



This preview shows how the XYZ color 15.6830, 14.6855, 56.6516 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 15.6830, 14.6855, 56.6516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

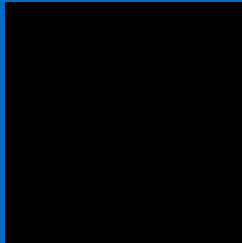
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.6830, 14.6855, 56.6516

Background



This preview shows how black text looks on a background with the XYZ color 15.6830, 14.6855, 56.6516.



This preview shows how white text looks on a background with the XYZ color 15.6830, 14.6855,

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

15.6830, 14.6855, 56.6516

Protanopia

16.7178, 14.8160, 54.2032

Deuteranopia

14.8726, 14.6989, 51.3435



Tritanopia

10.3627, 14.7000, 22.0299

Trichromacy



Original Color

15.6830, 14.6855, 56.6516

Protanomaly

15.9289, 14.5464, 54.7915

Deuteranomaly

15.1002, 14.6202, 53.0650

Tritanomaly

11.8805, 14.5614, 32.3214

Monochromacy



Original Color

15.6830, 14.6855, 56.6516

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.4090, 10.3499, 21.5805

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.6830, 14.6855, 56.6516 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, 107, 200)` looks like.

```
.text, #text, p{  
    color:rgb(0, 107, 200)  
}
```

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, 107, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 107, 200) }
```

Border

The CSS property to change the border of an element to XYZ 15.6830, 14.6855, 56.6516 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, 107, 200) }
```


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

```
.border{ border-color:rgb(0, 107, 200) }
```

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

Here you see how a box with a 4 pixel rgb(0, 107, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 107, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 107, 200);  
box-shadow:4px 4px 4px 4px rgb(0, 107,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 15.6830, 14.6855, 56.6516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 107, 200) }
```

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

```
.background{ background-color: rgb(0, 107,  
200) }
```

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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