

Converting Colors

XYZ(11.6465, 12.9818, 51.5739)

Have a look what the booklet for
XYZ(11.6465, 12.9818, 51.5739)
contains.

XYZ(14.9831, 14.7430, 51.9252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.9831, 14.7430,
51.9252)**

Conversions

Conversions Part 1

Format	Color
Hex	006DC0
RGB	0, 109, 192
RGB Percent	0%, 43%, 75%
CMY	0.9998, 0.5725, 0.2471
CMYK	1.00, 0.43, 0.00, 0.25
HSL	206°, 100%, 38%
HSV	206°, 100%, 75%
XYZ	14.9831, 14.7430, 51.9252
YIQ	85.8710, -91.6070, 2.7050

Conversions

Conversions Part 2

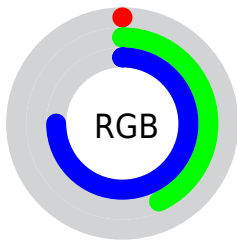
Format	Color
RYB	0, 70, 192
Decimal	28096
CIELab	45.28, 5.96, -50.60
CIELCh	45, 50.950, 276.719
Yxy	14.7430, 0.1835, 0.1806
Android (android.graphics.Color)	4278218176 (0xFF006DC0)
YUV	85.8710, 52.3216, -75.3089
Hunter-Lab	38.3966, 2.4601, -53.3025

Details

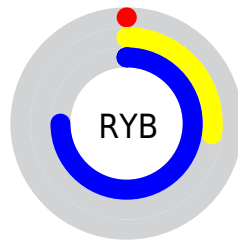
The XYZ color **14.9831, 14.7430, 51.9252** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **24.8354, 17.4002, 2.0509**, and the grayscale version is **8.7277, 9.1822, 9.9994**.

A 20% lighter version of the original color is **34.3890, 34.4141, 94.4526**, and **6.3101, 5.2802, 24.7314** is the 20% darker color. If you saturate the color by 10%, you get **14.9811, 14.7389, 51.9249**, and if you desaturate by 10%, it is **16.1845, 16.7399, 52.2477**.

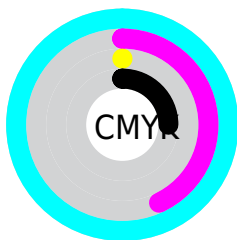
Distribution



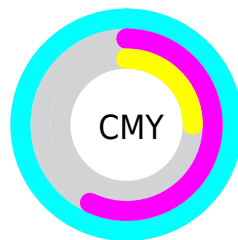
- Red (0%)
- Green (43%)
- Blue (75%)



- Red (0%)
- Yellow (27%)
- Blue (75%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (57%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9831, 14.7430, 51.9252 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 14.9831, 14.7430, 51.9252 by changing the saturation by 10% instead.

■ 14.9831, 14.7430,
51.9252

■ 14.9831, 14.7430,
51.9252

■ 216.6543,
221.8054, 411.0965

■ 8.8938, 8.6392,
36.5636

■ 34.3954, 34.4017,
94.4464

■ 4.7285, 4.5066,
24.5767

■ 48.4491, 48.7254,
122.4431

■ 2.1220, 1.9608,
15.5458

■ 65.8883, 66.5578,
155.4885

■ 0.7011, 0.5845,
9.0525

■ 87.0784, 88.2835,
194.0013

■ 0.0000, 0.0000,
4.6781

■ 112.3847,
114.2866, 238.4000

■ 0.0000, 0.0000,
2.0043

■ 142.1725,

■ 0.0000, 0.0000,

144.9517, 289.1030

0.5579

176.8073,
180.6632, 346.5290

■ 0.0000, 0.0000,
0.0000

■ 14.9831, 14.7430,
51.9252

■ 14.9831, 14.7430,
51.9252

■ 14.9811, 14.7389,
51.9249

■ 16.1845, 16.7399,
52.2477

■ 17.7407, 19.0471,
52.6110

■ 19.7511, 21.7191,
53.0208

■ 22.2667, 24.7852,
53.4800

■ 25.3312, 28.2710,
53.9913

■ 28.9830, 32.1991,
54.5570

■ 33.2570, 36.5903,
55.1794

■ 38.1849, 41.4635,
55.8603

■ 43.7962, 46.8366,
56.6016

Harmonies

Analogous

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



11.0460, 14.7430, 48.2297



14.9831, 14.7430, 51.9252



19.4416, 14.7430, 42.7905

Triad

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



14.9831, 14.7430, 51.9252



21.5694, 14.7430, 5.7863



7.8060, 14.7430, 8.5122

Complementary

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



14.9831, 14.7430, 51.9252



24.8354, 17.4002, 2.0509

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.



9.7022, 14.7430, 3.7059



14.9831, 14.7430, 51.9252



17.4683, 14.7430, 2.7745

Square

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



14.9831, 14.7430, 51.9252



23.7072, 14.7430, 13.4859



13.0853, 14.7430, 2.2712



7.4038, 14.7430, 18.9260

Rectangle

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



14.9831, 14.7430, 51.9252



21.9436, 14.7430, 32.4659



13.0853, 14.7430, 2.2712



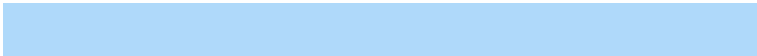
8.2682, 14.7430, 6.3838

Sweetspot

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



14.9837, 14.7434, 51.9256



59.8407, 65.8770, 99.9219



20.2993, 38.2794, 13.9134



12.1067, 13.3888, 21.3315



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



14.9837, 14.7434, 51.9256



26.8895, 26.1956, 93.9993



9.7010, 4.1779, 50.1647



9.9921, 10.6755, 12.8188



10.1592, 10.0748, 34.9658



0.5064, 0.5702, 1.5333

Inverse Universe

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



24.4992, 12.3117, 15.5532



44.2593, 22.2538, 27.4927



37.2649, 42.2591, 6.1941



10.3073, 10.1715, 11.7088



16.5239, 8.2993, 10.6706



0.7480, 0.3722, 0.6403

Previews

White Background



This preview shows how the XYZ color 14.9831, 14.7430, 51.9252 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 14.9831, 14.7430, 51.9252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

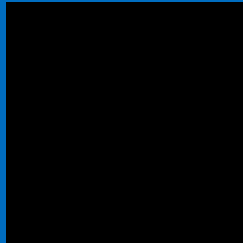
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9831, 14.7430, 51.9252

Background



This preview shows how black text looks on a background with the XYZ color 14.9831, 14.7430, 51.9252.



This preview shows how white text looks on a background with the XYZ color 14.9831, 14.7430,

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

14.9831, 14.7430, 51.9252

Protanopia

16.3742, 14.7537, 48.9984

Deuteranopia

15.2142, 14.8622, 51.9360



Tritanopia

10.4276, 14.7260, 22.3715

Trichromacy



Original Color

14.9831, 14.7430, 51.9252

Protanomaly

15.3780, 14.5177, 50.1358

Deuteranomaly

15.1211, 14.8142, 51.9316

Tritanomaly

11.7166, 14.4958, 31.4586

Monochromacy



Original Color

14.9831, 14.7430, 51.9252

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

9.2799, 10.2983, 20.9007

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9831, 14.7430, 51.9252 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, 109, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 109, 192)  
}
```

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, 109, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 109, 192) }
```

Border

The CSS property to change the border of an element to XYZ 14.9831, 14.7430, 51.9252 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, 109, 192) }
```


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

```
.border{ border-color:rgb(0, 109, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 109, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 109, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 109, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 109,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9831, 14.7430, 51.9252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 109, 192) }
```

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

```
.background{ background-color: rgb(0, 109,  
192) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor