

Converting Colors

XYZ(7.9980, 10.5233, 51.7578)

Have a look what the booklet for
XYZ(7.9980, 10.5233, 51.7578)
contains.

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Color

**XYZ(14.5660, 13.9089,
51.7862)**

Conversions

Conversions Part 1

Format	Color
Hex	0069C0
RGB	0, 105, 192
RGB Percent	0%, 41%, 75%
CMY	0.9998, 0.5882, 0.2471
CMYK	1.00, 0.45, 0.00, 0.25
HSL	207°, 100%, 38%
HSV	207°, 100%, 75%
XYZ	14.5660, 13.9089, 51.7862
YIQ	83.5230, -90.5070, 4.7970

Conversions

Conversions Part 2

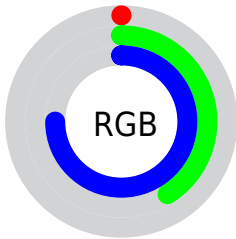
Format	Color
R_{YB}	0, 68, 192
Decimal	27072
CIE _{Lab}	44.10, 8.51, -52.49
CIE _{LCh}	44, 53.177, 279.208
Yxy	13.9089, 0.1815, 0.1733
Android (android.graphics.Color)	4278217152 (0xFF0069C0)
YUV	83.5230, 53.4792, -73.2497
Hunter-Lab	37.2946, 4.4503, -56.2220

Details

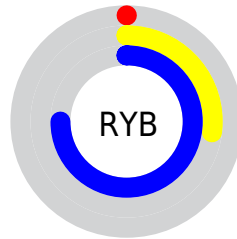
The XYZ color **14.5660, 13.9089, 51.7862** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.1501, 18.0296, 2.1557**, and the grayscale version is **8.2386, 8.6677, 9.4391**.

A 20% lighter version of the original color is **33.7067, 33.0494, 94.2252**, and **6.1514, 4.9629, 24.6785** is the 20% darker color. If you saturate the color by 10%, you get **14.5643, 13.9053, 51.7859**, and if you desaturate by 10%, it is **15.7716, 15.9142, 52.1101**.

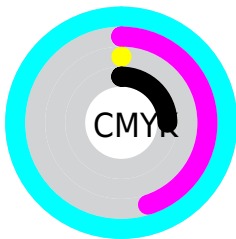
Distribution



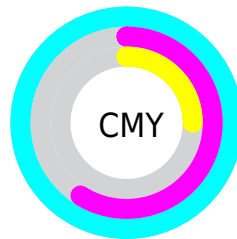
- Red (0%)
- Green (41%)
- Blue (75%)



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



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (59%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5660, 13.9089, 51.7862 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 14.5660, 13.9089, 51.7862 by changing the saturation by 10% instead.

■ 14.5660, 13.9089,
51.7862

■ 14.5660, 13.9089,
51.7862

■ 214.1650,
216.6634, 410.5441

■ 8.5997, 8.0573,
36.4536

■ 33.6679, 32.9273,
94.2392

■ 4.5360, 4.1317,
24.4923

■ 47.5343, 46.8629,
122.1967

■ 2.0096, 1.7475,
15.4836

■ 64.7647, 64.2620,
155.1997

■ 0.6394, 0.4541,
9.0091

■ 85.7245, 85.5090,
193.6665

■ 0.0000, 0.0000,
4.6502

■ 110.7791,
110.9882, 238.0158

■ 0.0000, 0.0000,
1.9884

■ 140.2938,

■ 0.0000, 0.0000,

141.0841, 288.6662

0.5481

174.6339,
176.1810, 346.0361

■ 0.0000, 0.0000,
0.0000

■ 14.5660, 13.9089,
51.7862

■ 14.5660, 13.9089,
51.7862

■ 14.5643, 13.9053,
51.7859

■ 15.7716, 15.9142,
52.1101

■ 17.3394, 18.2448,
52.4773

■ 19.3691, 20.9557,
52.8935

■ 21.9122, 24.0770,
53.3620

■ 25.0127, 27.6348,
53.8853

■ 28.7092, 31.6525,
54.4660

■ 33.0369, 36.1514,
55.1062

■ 38.0278, 41.1510,
55.8082

■ 43.7118, 46.6698,
56.5739

Harmonies

Analogous

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



10.5356, 13.9089, 49.0708



14.5660, 13.9089, 51.7862



19.0629, 13.9089, 41.3461

Triad

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



14.5660, 13.9089, 51.7862



20.5846, 13.9089, 4.6701



6.9763, 13.9089, 8.2842

Complementary

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



14.5660, 13.9089, 51.7862



25.1501, 18.0296, 2.1557

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.



8.7126, 13.9089, 3.3100



14.5660, 13.9089, 51.7862



16.3255, 13.9089, 2.1324

Square

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



14.5660, 13.9089, 51.7862



22.9944, 13.9089, 11.7115



11.9596, 13.9089, 1.8195



6.7022, 13.9089, 19.1902

Rectangle

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



14.5660, 13.9089, 51.7862



21.5190, 13.9089, 30.4900



11.9596, 13.9089, 1.8195



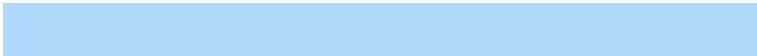
7.3873, 13.9089, 6.0698

Sweetspot

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



14.5666, 13.9093, 51.7866



59.4390, 65.0736, 99.7880



20.5471, 38.3785, 15.2185



12.0112, 13.1979, 21.2997



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.



14.5666, 13.9093, 51.7866



26.1343, 24.6851, 93.7476



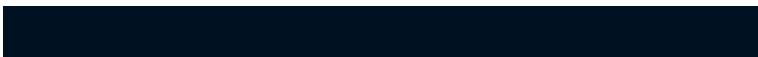
9.6196, 4.0153, 50.1376



9.9745, 10.6402, 12.8129



9.8788, 9.5141, 34.8724



0.4950, 0.5473, 1.5294

Inverse Universe

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



24.2887, 12.2274, 14.4447



43.8781, 22.1014, 25.4853



38.5491, 44.8277, 6.6220



10.2984, 10.1680, 11.6619



16.3823, 8.2427, 9.9254



0.7422, 0.3699, 0.6100

Previews

White Background



This preview shows how the XYZ color 14.5660, 13.9089, 51.7862 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 14.5660, 13.9089, 51.7862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

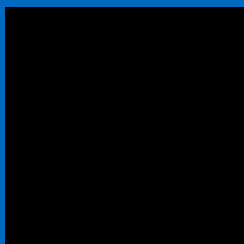
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.5660, 13.9089, 51.7862

Background



This preview shows how black text looks on a background with the XYZ color 14.5660, 13.9089, 51.7862.



This preview shows how white text looks on a background with the XYZ color 14.5660, 13.9089,

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

14.5660, 13.9089, 51.7862

Protanopia

15.7174, 13.9623, 49.4436

Deuteranopia

14.1237, 13.8959, 48.9515



Tritanopia

9.8205, 13.9208, 20.9083

Trichromacy



Original Color

14.5660, 13.9089, 51.7862

Protanomaly

14.7734, 13.6082, 49.9921

Deuteranomaly

14.3393, 13.9822, 50.0872

Tritanomaly

11.1395, 13.7265, 30.0793

Monochromacy



Original Color

14.5660, 13.9089, 51.7862

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.8705, 9.8412, 20.1709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5660, 13.9089, 51.7862 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, 105, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 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, 105, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 192) }
```

Border

The CSS property to change the border of an element to XYZ 14.5660, 13.9089, 51.7862 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, 105, 192) }
```


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

```
.border{ border-color:rgb(0, 105, 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, 105, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5660, 13.9089, 51.7862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 192) }
```

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

```
.background{ background-color: rgb(0, 105,  
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](#).

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