

Converting Colors

XYZ(14.9781, 13.5818, 55.4728)

Have a look what the booklet for
XYZ(14.9781, 13.5818, 55.4728)
contains.

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Color

**XYZ(14.9444, 13.5800,
55.2596)**

Conversions

Conversions Part 1

Format	Color
Hex	0066C6
RGB	0, 102, 198
RGB Percent	0%, 40%, 78%
CMY	0.9998, 0.6000, 0.2235
CMYK	1.00, 0.48, 0.00, 0.22
HSL	209°, 100%, 39%
HSV	209°, 100%, 78%
XYZ	14.9444, 13.5800, 55.2596
YIQ	82.4460, -91.6080, 8.2320

Conversions

Conversions Part 2

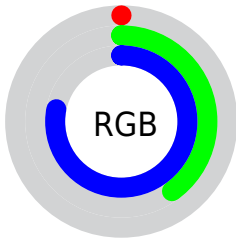
Format	Color
RYB	0, 67, 198
Decimal	26310
CIELab	43.62, 12.87, -56.73
CIELCh	44, 58.171, 282.777
Yxy	13.5800, 0.1784, 0.1621
Android (android.graphics.Color)	4278216390 (0xFF0066C6)
YUV	82.4460, 56.9681, -72.3051
Hunter-Lab	36.8511, 7.8987, -63.1119

Details

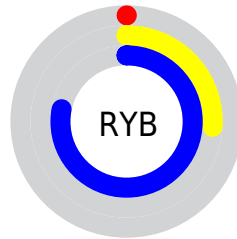
The XYZ color **14.9444, 13.5800, 55.2596** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **27.4756, 20.3789, 2.4865**, and the grayscale version is **8.0144, 8.4318, 9.1822**.

A 20% lighter version of the original color is **34.2080, 32.2179, 99.0235**, and **6.3721, 4.8115, 26.5795** is the 20% darker color. If you saturate the color by 10%, you get **14.9426, 13.5763, 55.2593**, and if you desaturate by 10%, it is **16.2288, 15.7251, 55.6063**.

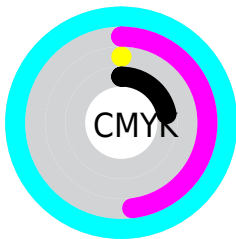
Distribution



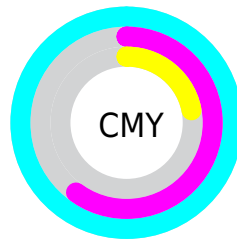
- Red (0%)
- Green (40%)
- Blue (78%)



- Red (0%)
- Yellow (26%)
- Blue (78%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9444, 13.5800, 55.2596 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 14.9444, 13.5800, 55.2596 by changing the saturation by 10% instead.

■ 14.9444, 13.5800,
55.2596

■ 14.9444, 13.5800,
55.2596

216.4245,
214.6021, 424.2049

■ 8.8664, 7.8291,
39.2096

■ 34.3281, 32.3419,
99.3962

■ 4.7106, 3.9858,
26.6137

■ 48.3645, 46.1218,
128.3198

■ 2.1115, 1.6656,
17.0535

■ 65.7844, 63.3467,
162.3718

■ 0.6954, 0.4013,
10.1103

■ 86.9533, 84.4012,
201.9705

■ 0.0000, 0.0000,
5.3656

■ 112.2363,
109.6696, 247.5347

■ 0.0000, 0.0000,
2.4008

■ 141.9990,

■ 0.0000, 0.0000,

139.5363, 299.4828

0.7869

176.6066,
174.3856, 358.2333

■ 0.0000, 0.0000,
0.0000

■ 14.9444, 13.5800,
55.2596

■ 14.9444, 13.5800,
55.2596

■ 14.9426, 13.5763,
55.2593

■ 16.2288, 15.7251,
55.6063

■ 17.9165, 18.2457,
56.0039

■ 20.1132, 21.2012,
56.4586

■ 22.8754, 24.6255,
56.9739

■ 26.2511, 28.5481,
57.5532

■ 30.2826, 32.9952,
58.1990

■ 35.0084, 37.9909,
58.9142

■ 40.4637, 43.5576,
59.7012

■ 46.6810, 49.7159,
60.5622

Harmonies

Analogous

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



10.4823, 13.5800, 54.0548



14.9444, 13.5800, 55.2596



19.8217, 13.5800, 41.9222

Triad

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



14.9444, 13.5800, 55.2596



20.4685, 13.5800, 3.4511



6.2153, 13.5800, 8.5299

Complementary

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



14.9444, 13.5800, 55.2596



27.4756, 20.3789, 2.4865

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.



7.8231, 13.5800, 2.9551



14.9444, 13.5800, 55.2596



15.6803, 13.5800, 1.4347

Square

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



14.9444, 13.5800, 55.2596



23.4805, 13.5800, 9.9007



11.0644, 13.5800, 1.3309



6.1078, 13.5800, 21.0614

Rectangle

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



14.9444, 13.5800, 55.2596



22.3750, 13.5800, 29.4976



11.0644, 13.5800, 1.3309



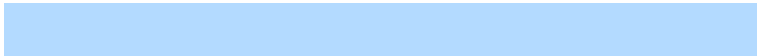
6.5771, 13.5800, 6.0196

Sweetspot

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



14.9450, 13.5804, 55.2600



61.5710, 66.8361, 104.2633



22.2932, 41.2281, 17.7819



12.3846, 13.4737, 22.1979



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.



14.9450, 13.5804, 55.2600



26.2119, 23.5439, 97.7706



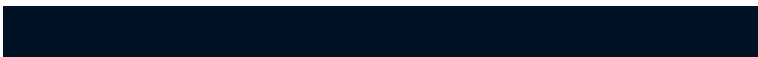
10.2298, 4.1500, 53.6882



10.5009, 11.1758, 13.5212



9.8036, 9.0010, 35.9650



0.5365, 0.5708, 1.7270

Inverse Universe

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



25.6876, 12.9660, 13.7193



45.3598, 22.9079, 23.6244



42.7373, 50.9024, 7.5738



10.8581, 10.7266, 12.2360



16.7477, 8.4486, 9.1473



0.8295, 0.4146, 0.6253

Previews

White Background



This preview shows how the XYZ color 14.9444, 13.5800, 55.2596 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 14.9444, 13.5800, 55.2596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

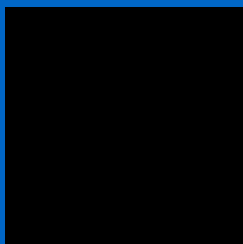
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.9444, 13.5800, 55.2596

Background



This preview shows how black text looks on a background with the XYZ color 14.9444, 13.5800, 55.2596.



This preview shows how white text looks on a background with the XYZ color 14.9444, 13.5800,

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

14.9444, 13.5800, 55.2596

Protanopia

15.6741, 13.7074, 53.4494

Deuteranopia

13.7033, 13.5638, 47.2432



Tritanopia

9.5302, 13.4398, 20.5042

Trichromacy



Original Color

14.9444, 13.5800, 55.2596

Protanomaly

15.1826, 13.5842, 54.0464

Deuteranomaly

14.1356, 13.5748, 50.0193

Tritanomaly

11.0810, 13.3539, 30.8477

Monochromacy



Original Color

14.9444, 13.5800, 55.2596

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

8.6266, 9.3301, 20.4150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9444, 13.5800, 55.2596 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, 102, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 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, 102, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 198) }
```

Border

The CSS property to change the border of an element to XYZ 14.9444, 13.5800, 55.2596 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, 102, 198) }
```


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

```
.border{ border-color:rgb(0, 102, 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, 102, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9444, 13.5800, 55.2596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 198) }
```

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

```
.background{ background-color: rgb(0, 102,  
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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