

Converting Colors

XYZ(6.5225, 9.6112, 51.4032)

Have a look what the booklet for
XYZ(6.5225, 9.6112, 51.4032)
contains.

XYZ(14.4647, 13.7064, 51.7524)	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(14.4647, 13.7064,
51.7524)**

Conversions

Conversions Part 1

Format	Color
Hex	0068C0
RGB	0, 104, 192
RGB Percent	0%, 41%, 75%
CMY	0.9999, 0.5922, 0.2471
CMYK	1.00, 0.46, 0.00, 0.25
HSL	208°, 100%, 38%
HSV	208°, 100%, 75%
XYZ	14.4647, 13.7064, 51.7524
YIQ	82.9360, -90.2320, 5.3200

Conversions

Conversions Part 2

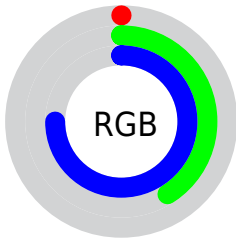
Format	Color
RYB	0, 67, 192
Decimal	26816
CIELab	43.81, 9.15, -52.96
CIELCh	44, 53.748, 279.803
Yxy	13.7064, 0.1810, 0.1715
Android (android.graphics.Color)	4278216896 (0xFF0068C0)
YUV	82.9360, 53.7686, -72.7349
Hunter-Lab	37.0222, 4.9519, -56.9646

Details

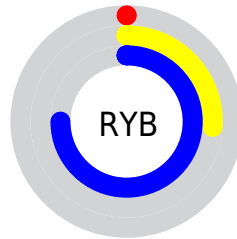
The XYZ color **14.4647, 13.7064, 51.7524** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **25.2312, 18.1919, 2.1826**, and the grayscale version is **8.1188, 8.5416, 9.3018**.

A 20% lighter version of the original color is **33.5395, 32.7151, 94.1695**, and **6.1005, 4.8611, 24.6615** is the 20% darker color. If you saturate the color by 10%, you get **14.4632, 13.7033, 51.7522**, and if you desaturate by 10%, it is **15.6708, 15.7128, 52.0764**.

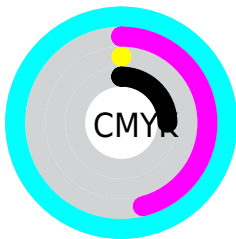
Distribution



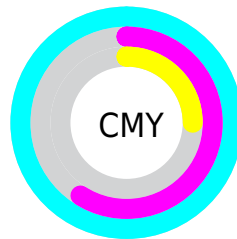
- Red (0%)
- Green (41%)
- Blue (75%)



- Red (0%)
- Yellow (26%)
- Blue (75%)



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (25%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4647, 13.7064, 51.7524 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 14.4647, 13.7064, 51.7524 by changing the saturation by 10% instead.

■ 14.4647, 13.7064,
51.7524

■ 14.4647, 13.7064,
51.7524

213.5561,
215.3966, 410.4097

■ 8.5284, 7.9167,
36.4269

■ 33.4907, 32.5672,
94.1888

■ 4.4895, 4.0417,
24.4718

■ 47.3112, 46.4071,
122.1368

■ 1.9826, 1.6969,
15.4685

■ 64.4905, 63.6992,
155.1294

■ 0.6242, 0.4217,
8.9986

■ 85.3939, 84.8279,
193.5851

■ 0.0000, 0.0000,
4.6435

■ 110.3869,
110.1776, 237.9224

■ 0.0000, 0.0000,
1.9846

■ 139.8346,

■ 0.0000, 0.0000,

140.1327, 288.5599

0.5458

174.1026,
175.0775, 345.9162

■ 0.0000, 0.0000,
0.0000

■ 14.4647, 13.7064,
51.7524

■ 14.4647, 13.7064,
51.7524

■ 14.4632, 13.7033,
51.7522

■ 15.6708, 15.7128,
52.0764

■ 17.2410, 18.0482,
52.4445

■ 19.2750, 20.7678,
52.8622

■ 21.8245, 23.9020,
53.3328

■ 24.9334, 27.4771,
53.8590

■ 28.6407, 31.5165,
54.4433

■ 32.9815, 36.0416,
55.0879

■ 37.9879, 41.0724,
55.7951

■ 43.6898, 46.6272,
56.5668

Harmonies

Analogous

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



10.4120, 13.7064, 49.2858



14.4647, 13.7064, 51.7524



18.9708, 13.7064, 40.9892

Triad

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



14.4647, 13.7064, 51.7524



20.3437, 13.7064, 4.4154



6.7790, 13.7064, 8.2300

Complementary

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



14.4647, 13.7064, 51.7524



25.2312, 18.1919, 2.1826

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.



8.4766, 13.7064, 3.2166



14.4647, 13.7064, 51.7524



16.0481, 13.7064, 1.9893

Square

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



14.4647, 13.7064, 51.7524



22.8195, 13.7064, 11.2929



11.6888, 13.7064, 1.7172



6.5348, 13.7064, 19.2602

Rectangle

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



14.4647, 13.7064, 51.7524



21.4154, 13.7064, 30.0075



11.6888, 13.7064, 1.7172



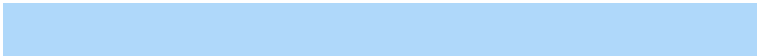
7.1777, 13.7064, 5.9946

Sweetspot

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



14.4653, 13.7068, 51.7528



59.3394, 64.8742, 99.7547



20.5469, 38.3784, 15.2179



11.9876, 13.1506, 21.2918



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.



14.4653, 13.7068, 51.7528



25.9514, 24.3193, 93.6866



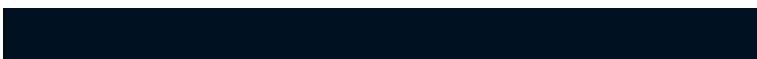
9.6195, 4.0152, 50.1375



9.9701, 10.6314, 12.8114



9.8108, 9.3781, 34.8497



0.4922, 0.5418, 1.5285

Inverse Universe

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



24.2375, 12.2068, 14.1756



43.7858, 22.0644, 24.9991



38.5490, 44.8276, 6.6219



10.2962, 10.1671, 11.6503



16.3480, 8.2290, 9.7447



0.7408, 0.3693, 0.6025

Previews

White Background



This preview shows how the XYZ color 14.4647, 13.7064, 51.7524 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 14.4647, 13.7064, 51.7524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

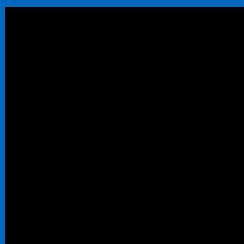
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 14.4647, 13.7064, 51.7524

Background



This preview shows how black text looks on a background with the XYZ color 14.4647, 13.7064, 51.7524.



This preview shows how white text looks on a background with the XYZ color 14.4647, 13.7064,

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

14.4647, 13.7064, 51.7524

Protanopia

15.4978, 13.7058, 49.4056

Deuteranopia

13.9145, 13.6483, 48.3554



Tritanopia

9.6436, 13.6666, 20.5420

Trichromacy



Original Color

14.4647, 13.7064, 51.7524

Protanomaly

14.6383, 13.3936, 49.9578

Deuteranomaly

14.1287, 13.7340, 49.4832

Tritanomaly

10.9509, 13.4755, 29.6276

Monochromacy



Original Color

14.4647, 13.7064, 51.7524

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

8.7844, 9.6691, 20.1422

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4647, 13.7064, 51.7524 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, 104, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 104, 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, 104, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 104, 192) }
```

Border

The CSS property to change the border of an element to XYZ 14.4647, 13.7064, 51.7524 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, 104, 192) }
```


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

```
.border{ border-color:rgb(0, 104, 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, 104, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 104, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 104, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 104,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4647, 13.7064, 51.7524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 104, 192) }
```

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

```
.background{ background-color: rgb(0, 104,  
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