

Converting Colors

XYZ(5.0987, 13.0850, 38.7625)

Have a look what the booklet for
XYZ(5.0987, 13.0850, 38.7625)
contains.

XYZ(14.5644, 17.9688, 39.2599)	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(14.5644, 17.9688,
39.2599)**

Conversions

Conversions Part 1

Format	Color
Hex	007FA7
RGB	0, 127, 167
RGB Percent	0%, 50%, 65%
CMY	0.9999, 0.5020, 0.3451
CMYK	1.00, 0.24, 0.00, 0.35
HSL	194°, 100%, 33%
HSV	194°, 100%, 65%
XYZ	14.5644, 17.9688, 39.2599
YIQ	93.5870, -88.5320, -14.4840

Conversions

Conversions Part 2

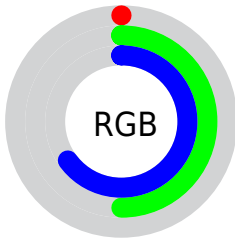
Format	Color
RYB	0, 72, 167
Decimal	32679
CIELab	49.46, -14.59, -29.49
CIELCh	49, 32.902, 243.682
Yxy	17.9688, 0.2029, 0.2503
Android (android.graphics.Color)	4278222759 (0xFF007FA7)
YUV	93.5870, 36.1926, -82.0758
Hunter-Lab	42.3896, -12.8521, -25.2398

Details

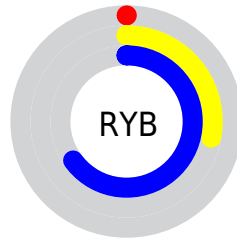
The XYZ color **14.5644, 17.9688, 39.2599** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.6963, 9.7348, 0.9998**, and the grayscale version is **10.4765, 11.0221, 12.0031**.

A 20% lighter version of the original color is **33.7225, 40.0901, 75.0680**, and **5.8189, 6.6866, 17.2036** is the 20% darker color. If you saturate the color by 10%, you get **14.5639, 17.9677, 39.2601**, and if you desaturate by 10%, it is **15.3180, 19.1399, 39.4466**.

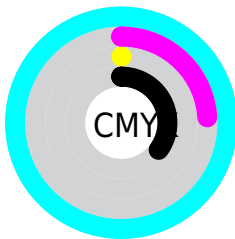
Distribution



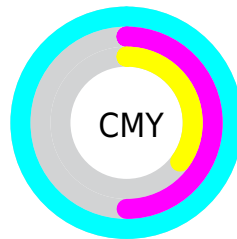
- Red (0%)
- Green (50%)
- Blue (65%)



- Red (0%)
- Yellow (28%)
- Blue (65%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (50%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5644, 17.9688, 39.2599 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 14.5644, 17.9688, 39.2599 by changing the saturation by 10% instead.

■ 14.5644, 17.9688,
39.2599

■ 14.5644, 17.9688,
39.2599

■ 214.1553,
240.6951, 358.4531

■ 8.5986, 10.9276,
26.6526

■ 33.6651, 39.9842,
75.2599

■ 4.5353, 6.0182,
17.0824

■ 47.5308, 55.7271,
99.4897

■ 2.0092, 2.8561,
10.1306

■ 64.7604, 75.1394,
128.4307

■ 0.6391, 1.0571,
5.3789

■ 85.7193, 98.6054,
162.5015

■ 0.0000, 0.0000,
2.4087

■ 110.7729,
126.5096, 202.1205

■ 0.0000, 0.0000,
0.7912

■ 140.2865,

■ 0.0000, 0.0000,

159.2364, 247.7065

0.0000

174.6256,
197.1701, 299.6778

■ 14.5644, 17.9688,
39.2599

■ 14.5644, 17.9688,
39.2599

■ 14.5639, 17.9677,
39.2601

■ 15.3180, 19.1399,
39.4466

■ 16.2804, 20.4492,
39.6486

■ 17.5298, 21.9375,
39.8700

■ 19.1009, 23.6232,
40.1126

■ 21.0233, 25.5218,
40.3777

■ 23.3230, 27.6470,
40.6667

■ 26.0235, 30.0113,
40.9807

■ 29.1462, 32.6260,
41.3208

■ 32.7112, 35.5017,
41.6880

Harmonies

Analogous

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



12.5738, 17.9688, 30.6716



14.5644, 17.9688, 39.2599



17.4653, 17.9688, 42.0910

Triad

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



14.5644, 17.9688, 39.2599



23.7621, 17.9688, 18.4866



13.9750, 17.9688, 8.5009

Complementary

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



14.5644, 17.9688, 39.2599



16.6963, 9.7348, 0.9998

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.



16.6980, 17.9688, 6.9750



14.5644, 17.9688, 39.2599



22.5487, 17.9688, 11.5269

Square

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



14.5644, 17.9688, 39.2599



23.0136, 17.9688, 28.1744



19.8671, 17.9688, 7.8860



12.2636, 17.9688, 12.9168

Rectangle

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



14.5644, 17.9688, 39.2599



19.5928, 17.9688, 39.7917



19.8671, 17.9688, 7.8860



14.7896, 17.9688, 7.7058

Sweetspot

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



14.5650, 17.9694, 39.2604



46.3164, 53.4998, 73.3606



14.1851, 27.7843, 6.5335



9.9098, 11.5784, 16.3647



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.5650, 17.9694, 39.2604



25.9159, 31.8448, 70.2560



7.8968, 4.6330, 37.0376



7.5930, 8.2230, 9.6053



11.1836, 13.8274, 30.0550



0.3080, 0.4083, 0.7432

Inverse Universe

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



19.7677, 9.7485, 20.9190



35.3168, 17.4238, 37.0168



22.9545, 22.2514, 3.0858



7.7639, 7.6354, 9.0740



15.1456, 7.4669, 16.1100



0.3866, 0.1889, 0.4874

Previews

White Background



This preview shows how the XYZ color 14.5644, 17.9688, 39.2599 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 14.5644, 17.9688, 39.2599 looks on a black 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

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

XYZ 14.5644, 17.9688, 39.2599

Background



This preview shows how black text looks on a background with the XYZ color 14.5644, 17.9688, 39.2599.

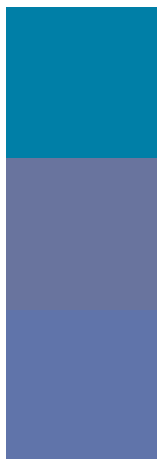


This preview shows how white text looks on a background with the XYZ color 14.5644, 17.9688,

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

14.5644, 17.9688, 39.2599

Protanopia

18.2426, 17.9627, 34.8534

Deuteranopia

18.3250, 17.8799, 40.5155



Tritanopia

12.7163, 17.8587, 27.5878

Trichromacy



Original Color

14.5644, 17.9688, 39.2599

Protanomaly

15.4642, 17.1994, 36.2230

Deuteranomaly

15.8024, 17.2896, 40.0405

Tritanomaly

13.3553, 17.9025, 31.6058

Monochromacy



Original Color

14.5644, 17.9688, 39.2599

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4687, 12.6492, 19.9789

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5644, 17.9688, 39.2599 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, 127, 167)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 167)  
}
```

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, 127, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 167) }
```

Border

The CSS property to change the border of an element to XYZ 14.5644, 17.9688, 39.2599 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, 127, 167) }
```


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

```
.border{ border-color:rgb(0, 127, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 167);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5644, 17.9688, 39.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 167) }
```

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

```
.background{ background-color: rgb(0, 127,  
167) }
```

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