

Converting Colors

XYZ(7.8378, 15.5137, 34.9541)

Have a look what the booklet for
XYZ(7.8378, 15.5137, 34.9541)
contains.

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Color

**XYZ(14.4228, 18.9712,
35.2494)**

Conversions

Conversions Part 1

Format	Color
Hex	00849E
RGB	0, 132, 158
RGB Percent	0%, 52%, 62%
CMY	0.9999, 0.4823, 0.3804
CMYK	1.00, 0.16, 0.00, 0.38
HSL	190°, 100%, 31%
HSV	190°, 100%, 62%
XYZ	14.4228, 18.9712, 35.2494
YIQ	95.4960, -87.0180, -19.8980

Conversions

Conversions Part 2

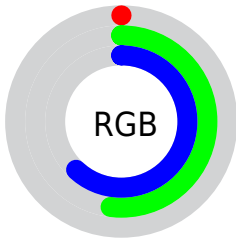
Format	Color
RYB	0, 72, 158
Decimal	33950
CIELab	50.65, -20.61, -22.41
CIELCh	51, 30.445, 227.395
Yxy	18.9712, 0.2101, 0.2764
Android (android.graphics.Color)	4278224030 (0xFF00849E)
YUV	95.4960, 30.8145, -83.7500
Hunter-Lab	43.5559, -17.1157, -17.4937

Details

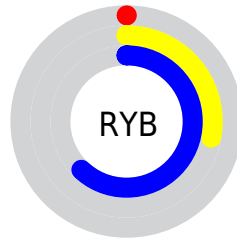
The XYZ color **14.4228, 18.9712, 35.2494** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **14.4707, 8.0089, 0.7838**, and the grayscale version is **10.9413, 11.5111, 12.5356**.

A 20% lighter version of the original color is **33.3837, 41.5767, 69.2164**, and **5.6711, 7.0961, 14.9807** is the 20% darker color. If you saturate the color by 10%, you get **14.4227, 18.9708, 35.2497**, and if you desaturate by 10%, it is **14.9909, 19.7944, 35.3787**.

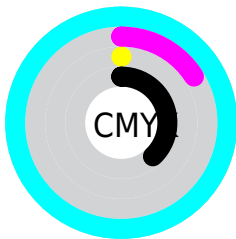
Distribution



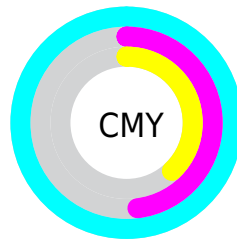
- Red (0%)
- Green (52%)
- Blue (62%)



- Red (0%)
- Yellow (28%)
- Blue (62%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4228, 18.9712, 35.2494 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 14.4228, 18.9712, 35.2494 by changing the saturation by 10% instead.

■ 14.4228, 18.9712,
35.2494

■ 14.4228, 18.9712,
35.2494

■ 213.3038,
246.2897, 340.6054

■ 8.4990, 11.6495,
23.5700

■ 33.4174, 41.6854,
69.0279

■ 4.4703, 6.5055,
14.8057

■ 47.2189, 57.8467,
91.9640

■ 1.9715, 3.1548,
8.5380

■ 64.3770, 77.7233,
119.4895

■ 0.6179, 1.2131,
4.3484

■ 85.2570, 101.6996,
152.0228

■ 0.0000, 0.0723,
1.8184

■ 110.2244,
130.1600, 189.9825

■ 0.0000, 0.0000,
0.4400

■ 139.6444,

■ 0.0000, 0.0000,

163.4889, 233.7872

0.0000

173.8824,
202.0707, 283.8553

■ 14.4228, 18.9712,
35.2494

■ 14.4228, 18.9712,
35.2494

■ 14.4227, 18.9708,
35.2497

■ 14.9909, 19.7944,
35.3787

■ 15.7301, 20.7186,
35.5182

■ 16.7127, 21.7816,
35.6715

■ 17.9688, 22.9989,
35.8403

■ 19.5238, 24.3836,
36.0256

■ 21.4003, 25.9476,
36.2286

■ 23.6186, 27.7014,
36.4502

■ 26.1973, 29.6547,
36.6913

■ 29.1538, 31.8165,
36.9528

Harmonies

Analogous

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



13.0959, 18.9712, 25.9634



14.4228, 18.9712, 35.2494



16.8093, 18.9712, 41.1769

Triad

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



14.4228, 18.9712, 35.2494



24.2242, 18.9712, 24.4502



16.3715, 18.9712, 8.6169

Complementary

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



14.4228, 18.9712, 35.2494



14.4707, 8.0089, 0.7838

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.



19.3117, 18.9712, 8.4202



14.4228, 18.9712, 35.2494



24.0736, 18.9712, 16.1268

Square

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



14.4228, 18.9712, 35.2494



22.5885, 18.9712, 33.8819



22.1970, 18.9712, 10.7759



14.1328, 18.9712, 11.4169

Rectangle

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



14.4228, 18.9712, 35.2494



18.7795, 18.9712, 41.5887



22.1970, 18.9712, 10.7759



17.3038, 18.9712, 8.2785

Sweetspot

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



14.4234, 18.9719, 35.2499



42.6311, 50.1041, 66.1676



12.3892, 24.5189, 4.9285



9.2365, 11.0030, 14.8806



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.4234, 18.9719, 35.2499



26.0665, 34.2009, 63.9710



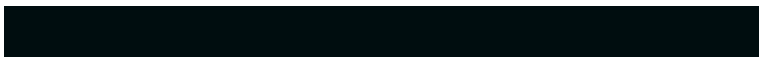
7.5531, 5.2311, 32.9597



6.7289, 7.3235, 8.4656



11.5753, 15.2421, 28.2392



0.2295, 0.3177, 0.5124

Inverse Universe

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



18.2659, 8.9356, 22.5926



33.1067, 16.2007, 40.6934



18.9221, 16.9117, 2.2676



6.8572, 6.7358, 8.0994



14.6409, 7.1609, 18.1577



0.2732, 0.1326, 0.3846

Previews

White Background



This preview shows how the XYZ color 14.4228, 18.9712, 35.2494 looks on a white 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

Black Background



This preview shows how the XYZ color 14.4228, 18.9712, 35.2494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

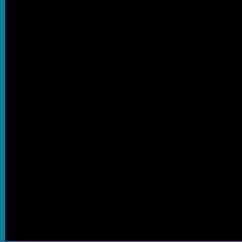
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4228, 18.9712, 35.2494

Background



This preview shows how black text looks on a background with the XYZ color 14.4228, 18.9712, 35.2494.

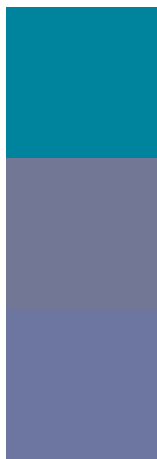


This preview shows how white text looks on a background with the XYZ color 14.4228, 18.9712,

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

14.4228, 18.9712, 35.2494

Protanopia

18.8317, 18.8743, 31.0843

Deuteranopia

19.2181, 18.7813, 36.3305



Tritanopia

13.5591, 19.0638, 29.3506

Trichromacy



Original Color

14.4228, 18.9712, 35.2494

Protanomaly

15.5476, 18.0600, 32.3722

Deuteranomaly

15.8824, 17.9692, 35.8890

Tritanomaly

13.8123, 18.9450, 31.3625

Monochromacy



Original Color

14.4228, 18.9712, 35.2494

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7229, 13.2613, 19.4473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4228, 18.9712, 35.2494 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, 132, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 132, 158)  
}
```

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, 132, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 132, 158) }
```

Border

The CSS property to change the border of an element to XYZ 14.4228, 18.9712, 35.2494 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, 132, 158) }
```


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

```
.border{ border-color:rgb(0, 132, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 132, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 132, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 132, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 132,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4228, 18.9712, 35.2494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 132, 158) }
```

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

```
.background{ background-color: rgb(0, 132,  
158) }
```

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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