

Converting Colors

XYZ(14.3307, 19.4590, 33.1429)

Have a look what the booklet for
XYZ(14.3307, 19.4590, 33.1429)
contains.

XYZ(14.2749, 19.3501, 33.1196)	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(14.2749, 19.3501,
33.1196)**

Conversions

Conversions Part 1

Format	Color
Hex	008699
RGB	0, 134, 153
RGB Percent	0%, 53%, 60%
CMY	0.9999, 0.4745, 0.4000
CMYK	1.00, 0.12, 0.00, 0.40
HSL	187°, 100%, 30%
HSV	187°, 100%, 60%
XYZ	14.2749, 19.3501, 33.1196
YIQ	96.1000, -85.9630, -22.4990

Conversions

Conversions Part 2

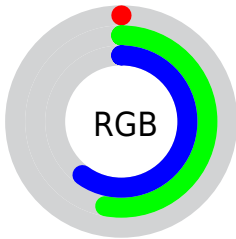
Format	Color
RYB	0, 71, 153
Decimal	34457
CIELab	51.09, -23.42, -18.83
CIELCh	51, 30.051, 218.788
Yxy	19.3501, 0.2139, 0.2899
Android (android.graphics.Color)	4278224537 (0xFF008699)
YUV	96.1000, 28.0517, -84.2797
Hunter-Lab	43.9887, -19.0548, -13.8480

Details

The XYZ color **14.2749, 19.3501, 33.1196** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.3705, 7.2391, 0.6934**, and the grayscale version is **11.0937, 11.6714, 12.7102**.

A 20% lighter version of the original color is **33.1762, 42.4977, 65.4858**, and **5.5686, 7.3000, 13.6859** is the 20% darker color. If you saturate the color by 10%, you get **14.2747, 19.3497, 33.1199**, and if you desaturate by 10%, it is **14.7426, 19.9850, 33.2179**.

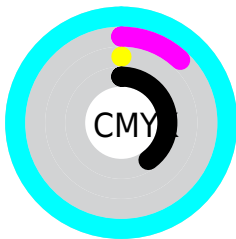
Distribution



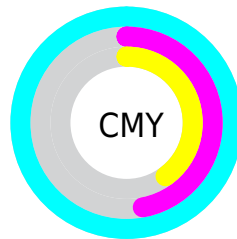
- Red (0%)
- Green (53%)
- Blue (60%)



- Red (0%)
- Yellow (28%)
- Blue (60%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (47%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.2749, 19.3501, 33.1196 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 14.2749, 19.3501, 33.1196 by changing the saturation by 10% instead.

■ 14.2749, 19.3501,
33.1196

■ 14.2749, 19.3501,
33.1196

■ 212.4109,
248.3748, 330.8368

■ 8.3951, 11.9235,
21.9462

■ 33.1582, 42.3249,
65.6804

■ 4.4027, 6.6916,
13.6194

■ 46.8924, 58.6418,
87.9048

■ 1.9324, 3.2700,
7.7207

■ 63.9755, 78.6910,
114.6501

■ 0.5956, 1.2743,
3.8316

■ 84.7727, 102.8569,
146.3346

■ 0.0000, 0.1211,
1.5334

■ 109.6496,
131.5238, 183.3771

■ 0.0000, 0.0000,
0.2426

■ 138.9713,

■ 0.0000, 0.0000,

165.0762, 226.1959

0.0000

173.1033,
203.8983, 275.2096

■ 14.2749, 19.3501,
33.1196

■ 14.2749, 19.3501,
33.1196

■ 14.2747, 19.3497,
33.1199

■ 14.7426, 19.9850,
33.2179

■ 15.3639, 20.7058,
33.3242

■ 16.2080, 21.5485,
33.4424

■ 17.3024, 22.5273,
33.5737

■ 18.6706, 23.6545,
33.7191

■ 20.3335, 24.9407,
33.8797

■ 22.3097, 26.3957,
34.0564

■ 24.6164, 28.0283,
34.2500

■ 27.2696, 29.8468,
34.4611

Harmonies

Analogous

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



13.2876, 19.3501, 23.6783



14.2749, 19.3501, 33.1196



16.3942, 19.3501, 40.3826

Triad

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



14.2749, 19.3501, 33.1196



24.2710, 19.3501, 27.5861



17.5296, 19.3501, 8.6513

Complementary

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



14.2749, 19.3501, 33.1196



13.3705, 7.2391, 0.6934

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.



20.5451, 19.3501, 9.1695



14.2749, 19.3501, 33.1196



24.6595, 19.3501, 18.6587

Square

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



14.2749, 19.3501, 33.1196



22.2221, 19.3501, 36.6344



23.2324, 19.3501, 12.3661



15.0288, 19.3501, 10.6868

Rectangle

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



14.2749, 19.3501, 33.1196



18.2706, 19.3501, 42.1179



23.2324, 19.3501, 12.3661



18.5133, 19.3501, 8.5473

Sweetspot

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



14.2755, 19.3508, 33.1201



39.7207, 47.1029, 60.9702



11.4999, 22.8262, 4.3667



8.4578, 10.1727, 13.4353



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



14.2755, 19.3508, 33.1201



25.4713, 34.4671, 59.2823



7.2971, 5.3940, 30.7939



6.3191, 6.8956, 7.9269



11.8141, 16.0249, 27.3781



0.1926, 0.2716, 0.4146

Inverse Universe

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



17.4405, 8.4943, 23.2752



31.1858, 15.1921, 41.4337



17.1721, 14.8422, 1.9606



6.4282, 6.3104, 7.6349



14.4220, 7.0230, 19.2789



0.2237, 0.1082, 0.3308

Previews

White Background



This preview shows how the XYZ color 14.2749, 19.3501, 33.1196 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 14.2749, 19.3501, 33.1196 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 14.2749, 19.3501, 33.1196

Background



This preview shows how black text looks on a background with the XYZ color 14.2749, 19.3501, 33.1196.

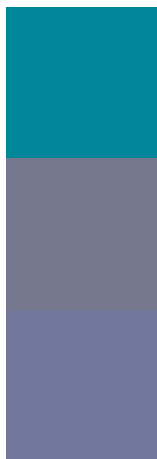


This preview shows how white text looks on a background with the XYZ color 14.2749, 19.3501,

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

14.2749, 19.3501, 33.1196

Protanopia

19.0105, 19.1980, 28.6902

Deuteranopia

19.5370, 19.1714, 34.1232



Tritanopia

13.8523, 19.4033, 30.2092

Trichromacy



Original Color

14.2749, 19.3501, 33.1196

Protanomaly

15.4241, 18.2297, 30.3095

Deuteranomaly

15.8717, 18.1983, 33.6864

Tritanomaly

14.0888, 19.4979, 31.4547

Monochromacy



Original Color

14.2749, 19.3501, 33.1196

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

10.7113, 13.4283, 18.8570

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.2749, 19.3501, 33.1196 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, 134, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 153)  
}
```

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, 134, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 153) }
```

Border

The CSS property to change the border of an element to XYZ 14.2749, 19.3501, 33.1196 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, 134, 153) }
```


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

```
.border{ border-color:rgb(0, 134, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 14.2749, 19.3501, 33.1196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 153) }
```

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

```
.background{ background-color: rgb(0, 134,  
153) }
```

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