

Converting Colors

XYZ(14.9750, 19.4683, 34.8261)

Have a look what the booklet for
XYZ(14.9750, 19.4683, 34.8261)
contains.

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Color

**XYZ(14.9800, 19.4706,
34.8670)**

Conversions

Conversions Part 1

Format	Color
Hex	1D859D
RGB	29, 133, 157
RGB Percent	11%, 52%, 62%
CMY	0.8862, 0.4784, 0.3843
CMYK	0.82, 0.15, 0.00, 0.38
HSL	191°, 69%, 36%
HSV	191°, 82%, 62%
XYZ	14.9800, 19.4706, 34.8670
YIQ	104.6400, -69.6880, -14.5840

Conversions

Conversions Part 2

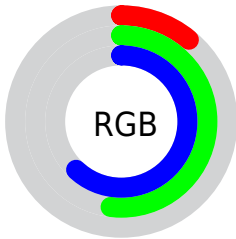
Format	Color
R_{YB}	29, 86, 157
Decimal	1934749
CIE _{Lab}	51.23, -19.72, -20.91
CIE _{LCh}	51, 28.741, 226.682
Yxy	19.4706, 0.2161, 0.2809
Android (android.graphics.Color)	4280124829 (0xFF1D859D)
YUV	104.6400, 25.8135, -66.3363
Hunter-Lab	44.1255, -16.6213, -15.9618

Details

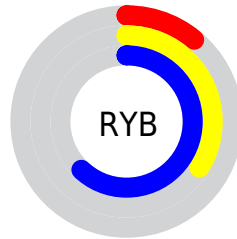
The XYZ color **14.9800, 19.4706, 34.8670** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4002, 9.8039, 2.2437**, and the grayscale version is **13.2771, 13.9685, 15.2117**.

A 20% lighter version of the original color is **34.3723, 42.4127, 68.6622**, and **5.6948, 7.2271, 14.7305** is the 20% darker color. If you saturate the color by 10%, you get **14.2468, 18.5030, 34.7193**, and if you desaturate by 10%, it is **15.9519, 20.5787, 35.0300**.

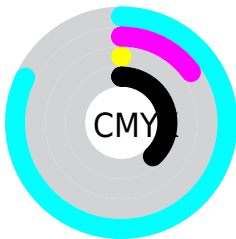
Distribution



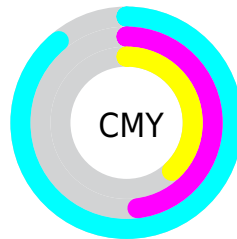
- Red (11%)
- Green (52%)
- Blue (62%)



- Red (11%)
- Yellow (34%)
- Blue (62%)



- Cyan (82%)
- Magenta (15%)
- Yellow (0%)
- Black (38%)



- Cyan (89%)
- Magenta (48%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.9800, 19.4706, 34.8670 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 14.9800, 19.4706, 34.8670 by changing the saturation by 10% instead.

■ 14.9800, 19.4706,
34.8670

■ 14.9800, 19.4706,
34.8670

■ 216.6359,
249.0346, 338.8673

■ 8.8916, 12.0108,
23.2777

■ 34.3900, 42.5278,
68.4289

■ 4.7271, 6.7510,
14.5915

■ 48.4424, 58.8940,
91.2386

■ 2.1211, 3.3069,
8.3898

■ 65.8800, 78.9978,
118.6255

■ 0.7007, 1.2940,
4.2540

■ 87.0684, 103.2236,
151.0082

■ 0.0000, 0.1365,
1.7657

■ 112.3728,
131.9558, 188.8052

■ 0.0000, 0.0000,
0.4052

■ 142.1586,

■ 0.0000, 0.0000,

165.5787, 232.4350

0.0000

176.7912,
204.4769, 282.3162

■ 14.9800, 19.4706,
34.8670

■ 14.9800, 19.4706,
34.8670

■ 14.2468, 18.5030,
34.7193

■ 15.9519, 20.5787,
35.0300

■ 13.7481, 17.7588,
34.6019

■ 17.1909, 21.8411,
35.2084

■ 18.7233, 23.2718,
35.4038

■ 20.5719, 24.8827,
35.6173

■ 22.7570, 26.6843,
35.8499

■ 25.2971, 28.6863,
36.1024

■ 28.2095, 30.8979,
36.3758

■ 31.5102, 33.3272,
36.6707

■ 35.2143, 35.9824,
36.9880

Harmonies

Analogous

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



13.7171, 19.4706, 26.0566



14.9800, 19.4706, 34.8670



17.2666, 19.4706, 40.5450

Triad

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



14.9800, 19.4706, 34.8670



24.3979, 19.4706, 25.0440



16.9702, 19.4706, 9.3984

Complementary

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



14.9800, 19.4706, 34.8670



15.4002, 9.8039, 2.2437

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.



19.8038, 19.4706, 9.2598



14.9800, 19.4706, 34.8670



24.2975, 19.4706, 16.9881

Square

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



14.9800, 19.4706, 34.8670



22.8082, 19.4706, 33.9628



22.5465, 19.4706, 11.6725



14.7823, 19.4706, 12.1178

Rectangle

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



14.9800, 19.4706, 34.8670



19.1543, 19.4706, 41.0353



22.5465, 19.4706, 11.6725



17.8729, 19.4706, 9.0786

Sweetspot

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



14.9806, 19.4713, 34.8675



43.8991, 50.2817, 64.5183



13.1947, 24.6278, 7.3634



9.3266, 10.8020, 14.1638



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



14.9806, 19.4713, 34.8675



24.6800, 31.8457, 61.9728



8.7543, 7.0187, 32.7920



6.7161, 7.2979, 8.4613



11.1910, 14.4735, 28.1111



0.2251, 0.3089, 0.5110

Inverse Universe

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



18.5782, 9.7409, 23.0920



31.8763, 15.6980, 37.6741



20.4264, 19.8564, 3.9191



6.8508, 6.7332, 8.0653



14.4469, 7.0833, 17.1362



0.2710, 0.1317, 0.3730

Previews

White Background



This preview shows how the XYZ color 14.9800, 19.4706, 34.8670 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 14.9800, 19.4706, 34.8670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

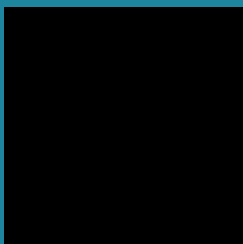
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

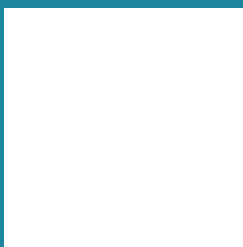
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.9800, 19.4706, 34.8670

Background



This preview shows how black text looks on a background with the XYZ color 14.9800, 19.4706, 34.8670.

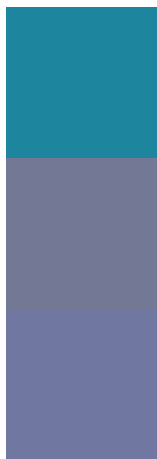


This preview shows how white text looks on a background with the XYZ color 14.9800, 19.4706,

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

14.9800, 19.4706, 34.8670

Protanopia

19.1320, 19.2159, 30.7176

Deuteranopia

19.6241, 19.1765, 35.9248



Tritanopia

13.9775, 19.4678, 30.2151

Trichromacy



Original Color

14.9800, 19.4706, 34.8670

Protanomaly

16.5757, 18.7864, 32.0307

Deuteranomaly

16.9453, 18.7123, 35.5196

Tritanomaly

14.2613, 19.3714, 31.8416

Monochromacy



Original Color

14.9800, 19.4706, 34.8670

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.8294, 15.2945, 21.3447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.9800, 19.4706, 34.8670 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(29, 133, 157)` looks like.

```
.text, #text, p{  
    color:rgb(29, 133, 157)  
}
```

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(29, 133, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 133, 157) }
```

Border

The CSS property to change the border of an element to XYZ 14.9800, 19.4706, 34.8670 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(29, 133, 157) }
```


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

```
.border{ border-color:rgb(29, 133, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 133, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 133, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 133, 157);  
box-shadow:4px 4px 4px 4px rgb(29, 133,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 14.9800, 19.4706, 34.8670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 133, 157) }
```

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

```
.background{ background-color: rgb(29, 133,  
157) }
```

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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