

Converting Colors

XYZ(9.2259, 16.9109, 34.3174)

Have a look what the booklet for
XYZ(9.2259, 16.9109, 34.3174)
contains.

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Color

**XYZ(14.6647, 19.7282,
34.4875)**

Conversions

Conversions Part 1

Format	Color
Hex	00879C
RGB	0, 135, 156
RGB Percent	0%, 53%, 61%
CMY	0.9999, 0.4706, 0.3882
CMYK	1.00, 0.13, 0.00, 0.39
HSL	188°, 100%, 31%
HSV	188°, 100%, 61%
XYZ	14.6647, 19.7282, 34.4875
YIQ	97.0290, -87.2010, -22.0890

Conversions

Conversions Part 2

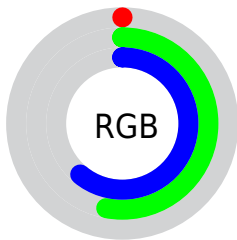
Format	Color
RYB	0, 72, 156
Decimal	34716
CIELab	51.53, -22.90, -19.90
CIELCh	52, 30.339, 220.997
Yxy	19.7282, 0.2129, 0.2864
Android (android.graphics.Color)	4278224796 (0xFF00879C)
YUV	97.0290, 29.0727, -85.0944
Hunter-Lab	44.4164, -18.7945, -14.9447

Details

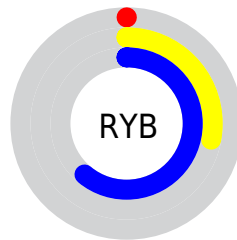
The XYZ color **14.6647, 19.7282, 34.4875** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.9792, 7.6053, 0.7319**, and the grayscale version is **11.3176, 11.9070, 12.9668**.

A 20% lighter version of the original color is **33.9800, 43.1730, 68.1703**, and **5.7983, 7.5169, 14.5099** is the 20% darker color. If you saturate the color by 10%, you get **14.6646, 19.7278, 34.4878**, and if you desaturate by 10%, it is **15.1683, 20.4275, 34.5963**.

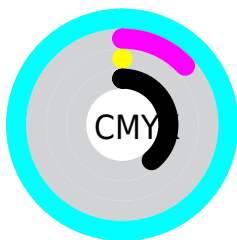
Distribution



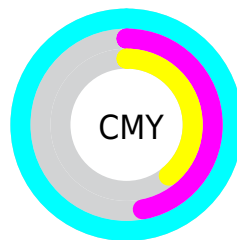
- Red (0%)
- Green (53%)
- Blue (61%)



- Red (0%)
- Yellow (28%)
- Blue (61%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (47%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.6647, 19.7282, 34.4875 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 14.6647, 19.7282, 34.4875 by changing the saturation by 10% instead.

■ 14.6647, 19.7282,
34.4875

■ 14.6647, 19.7282,
34.4875

■ 214.7565,
250.4399, 337.1356

■ 8.6692, 12.1976,
22.9880

■ 33.8404, 42.9610,
67.8336

■ 4.5814, 6.8784,
14.3794

■ 47.7513, 59.4321,
90.5172

■ 2.0360, 3.3862,
8.2433

■ 65.0313, 79.6520,
117.7660

■ 0.6541, 1.3365,
4.1610

■ 86.0459, 104.0054,
149.9985

■ 0.0000, 0.1692,
1.7141

■ 111.1603,
132.8764, 187.6331

■ 0.0000, 0.0000,
0.3704

■ 140.7400,

■ 0.0000, 0.0000,

166.6496, 231.0885

0.0000

175.1503,
205.7093, 280.7831

■ 14.6647, 19.7282,
34.4875

■ 14.6647, 19.7282,
34.4875

■ 14.6646, 19.7278,
34.4878

■ 15.1683, 20.4275,
34.5963

■ 15.8346, 21.2190,
34.7140

■ 16.7346, 22.1396,
34.8442

■ 17.8973, 23.2043,
34.9885

■ 19.3473, 24.4260,
35.1478

■ 21.1064, 25.8158,
35.3234

■ 23.1944, 27.3841,
35.5161

■ 25.6293, 29.1400,
35.7267

■ 28.4278, 31.0924,
35.9560

Harmonies

Analogous

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



13.5641, 19.7282, 24.8460



14.6647, 19.7282, 34.4875



16.9059, 19.7282, 41.5912

Triad

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



14.6647, 19.7282, 34.4875



24.8593, 19.7282, 27.4255



17.6546, 19.7282, 8.8536

Complementary

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



14.6647, 19.7282, 34.4875



13.9792, 7.6053, 0.7319

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.



20.7258, 19.7282, 9.1939



14.6647, 19.7282, 34.4875



25.1158, 19.7282, 18.4338

Square

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



14.6647, 19.7282, 34.4875



22.8667, 19.7282, 36.8106



23.5337, 19.7282, 12.2403



15.1615, 19.7282, 11.1359

Rectangle

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



14.6647, 19.7282, 34.4875



18.8533, 19.7282, 43.0250



23.5337, 19.7282, 12.2403



18.6492, 19.7282, 8.6853

Sweetspot

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



14.6653, 19.7289, 34.4880



41.8781, 49.5534, 64.4843



12.0226, 23.8309, 4.6670



8.8767, 10.6525, 14.1587



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.



14.6653, 19.7289, 34.4880



26.5296, 35.6206, 62.6039



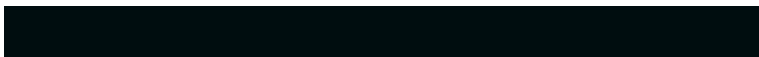
7.4750, 5.3482, 32.0912



6.7457, 7.3571, 8.4712



12.0972, 16.2860, 28.4132



0.2354, 0.3294, 0.5144

Inverse Universe

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



18.0840, 8.8179, 23.6712



32.7914, 15.9932, 42.7112



18.1545, 15.9558, 2.1237



6.8657, 6.7392, 8.1440



14.9043, 7.2663, 19.5450



0.2761, 0.1338, 0.4002

Previews

White Background



This preview shows how the XYZ color 14.6647, 19.7282, 34.4875 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 14.6647, 19.7282, 34.4875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

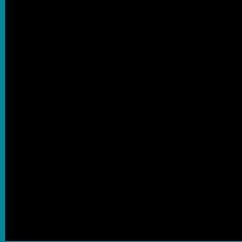
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.6647, 19.7282, 34.4875

Background



This preview shows how black text looks on a background with the XYZ color 14.6647, 19.7282, 34.4875.

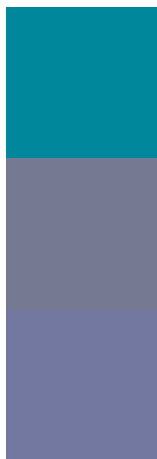


This preview shows how white text looks on a background with the XYZ color 14.6647, 19.7282,

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

14.6647, 19.7282, 34.4875

Protanopia

19.3618, 19.5320, 29.9437

Deuteranopia

19.9139, 19.5136, 35.5178



Tritanopia

14.0706, 19.7149, 30.6675

Trichromacy



Original Color

14.6647, 19.7282, 34.4875

Protanomaly

15.7899, 18.5796, 31.6082

Deuteranomaly

16.2528, 18.5523, 35.0721

Tritanomaly

14.3092, 19.8103, 31.9238

Monochromacy



Original Color

14.6647, 19.7282, 34.4875

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.9411, 13.7010, 19.2074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.6647, 19.7282, 34.4875 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, 135, 156)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 156)  
}
```

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, 135, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 156) }
```

Border

The CSS property to change the border of an element to XYZ 14.6647, 19.7282, 34.4875 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, 135, 156) }
```


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

```
.border{ border-color:rgb(0, 135, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 135, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 156);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 14.6647, 19.7282, 34.4875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 135, 156) }
```

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

```
.background{ background-color: rgb(0, 135,  
156) }
```

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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