

Converting Colors

XYZ(14.4967, 19.6610, 33.6028)

Have a look what the booklet for
XYZ(14.4967, 19.6610, 33.6028)
contains.

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Color

**XYZ(14.4967, 19.6610,
33.6028)**

Conversions

Conversions Part 1

Format	Color
Hex	00879A
RGB	0, 135, 154
RGB Percent	0%, 53%, 60%
CMY	0.9999, 0.4706, 0.3961
CMYK	1.00, 0.12, 0.00, 0.40
HSL	187°, 100%, 30%
HSV	187°, 100%, 60%
XYZ	14.4967, 19.6610, 33.6028
YIQ	96.8010, -86.5590, -22.7110

Conversions

Conversions Part 2

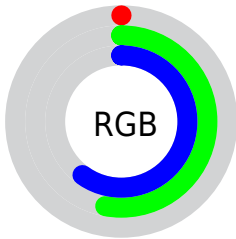
Format	Color
RYB	0, 72, 154
Decimal	34714
CIELab	51.45, -23.60, -18.86
CIELCh	51, 30.207, 218.635
Yxy	19.6610, 0.2139, 0.2902
Android (android.graphics.Color)	4278224794 (0xFF00879A)
YUV	96.8010, 28.1991, -84.8945
Hunter-Lab	44.3407, -19.2377, -13.8933

Details

The XYZ color **14.4967, 19.6610, 33.6028** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.5600, 7.3367, 0.7022**, and the grayscale version is **11.2638, 11.8504, 12.9051**.

A 20% lighter version of the original color is **33.6073, 43.0240, 66.2077**, and **5.6967, 7.4763, 13.9748** is the 20% darker color. If you saturate the color by 10%, you get **14.4966, 19.6607, 33.6031**, and if you desaturate by 10%, it is **14.9685, 20.3017, 33.7020**.

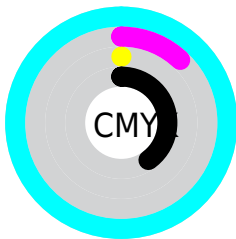
Distribution



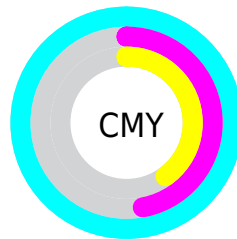
- Red (0%)
- Green (53%)
- Blue (60%)



- 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 14.4967, 19.6610, 33.6028 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 14.4967, 19.6610, 33.6028 by changing the saturation by 10% instead.

■ 14.4967, 19.6610,
33.6028

■ 14.4967, 19.6610,
33.6028

■ 213.7486,
250.0740, 333.0722

■ 8.5509, 12.1489,
22.3137

■ 33.5467, 42.8481,
66.4423

■ 4.5042, 6.8451,
13.8871

■ 47.3817, 59.2918,
88.8299

■ 1.9911, 3.3654,
7.9043

■ 64.5772, 79.4816,
115.7540

■ 0.6290, 1.3254,
3.9469

■ 85.4984, 103.8017,
147.6333

■ 0.0000, 0.1607,
1.5963

■ 110.5109,
132.6366, 184.8862

■ 0.0000, 0.0000,
0.2881

■ 139.9798,

■ 0.0000, 0.0000,

166.3707, 227.9313

0.0000

174.2706,
205.3883, 277.1871

■ 14.4967, 19.6610,
33.6028

■ 14.4967, 19.6610,
33.6028

■ 14.4966, 19.6607,
33.6031

■ 14.9685, 20.3017,
33.7020

■ 15.5966, 21.0297,
33.8094

■ 16.4508, 21.8813,
33.9288

■ 17.5589, 22.8710,
34.0614

■ 18.9450, 24.0112,
34.2084

■ 20.6302, 25.3127,
34.3708

■ 22.6335, 26.7855,
34.5495

■ 24.9724, 28.4385,
34.7453

■ 27.6630, 30.2801,
34.9589

Harmonies

Analogous

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



13.4999, 19.6610, 24.0110



14.4967, 19.6610, 33.6028



16.6446, 19.6610, 41.0029

Triad

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



14.4967, 19.6610, 33.6028



24.6532, 19.6610, 28.0776



17.8262, 19.6610, 8.7881

Complementary

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



14.4967, 19.6610, 33.6028



13.5600, 7.3367, 0.7022

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.



20.8904, 19.6610, 9.3275



14.4967, 19.6610, 33.6028



25.0574, 19.6610, 18.9993

Square

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



14.4967, 19.6610, 33.6028



22.5648, 19.6610, 37.2601



23.6162, 19.6610, 12.5902



15.2814, 19.6610, 10.8423

Rectangle

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



14.4967, 19.6610, 33.6028



18.5488, 19.6610, 42.7888



23.6162, 19.6610, 12.5902



18.8262, 19.6610, 8.6866

Sweetspot

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



14.4973, 19.6617, 33.6033



40.8729, 48.4827, 62.7402



11.6652, 23.1553, 4.4264



8.9150, 10.7290, 14.1714



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.



14.4973, 19.6617, 33.6033



26.2375, 35.5219, 61.0098



7.3996, 5.4663, 31.2374



6.3195, 6.8964, 7.9270



11.8281, 16.0529, 27.3828



0.1928, 0.2718, 0.4147

Inverse Universe

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



17.7002, 8.6200, 23.6532



32.1038, 15.6381, 42.7089



17.4169, 15.0504, 1.9878



6.4284, 6.3105, 7.6361



14.4291, 7.0259, 19.3163



0.2238, 0.1083, 0.3311

Previews

White Background



This preview shows how the XYZ color 14.4967, 19.6610, 33.6028 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 14.4967, 19.6610, 33.6028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

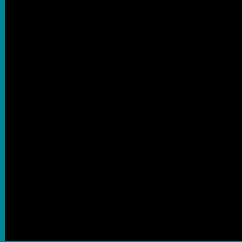
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4967, 19.6610, 33.6028

Background



This preview shows how black text looks on a background with the XYZ color 14.4967, 19.6610, 33.6028.

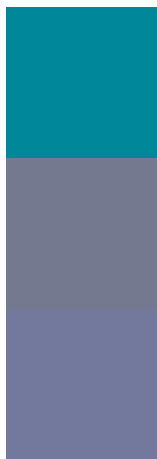


This preview shows how white text looks on a background with the XYZ color 14.4967, 19.6610,

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

14.4967, 19.6610, 33.6028

Protanopia

19.2075, 19.4703, 29.1313

Deuteranopia

19.8725, 19.5121, 34.6171



Tritanopia

14.0706, 19.7149, 30.6675

Trichromacy



Original Color

14.4967, 19.6610, 33.6028

Protanomaly

15.6302, 18.5157, 30.7671

Deuteranomaly

16.0820, 18.4840, 34.1726

Tritanomaly

14.3092, 19.8103, 31.9238

Monochromacy



Original Color

14.4967, 19.6610, 33.6028

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 14.4967, 19.6610, 33.6028 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(0, 135, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 135, 154) }
```

Border

The CSS property to change the border of an element to XYZ 14.4967, 19.6610, 33.6028 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, 154) }
```


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

```
.border{ border-color:rgb(0, 135, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 135, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 135, 154);  
box-shadow:4px 4px 4px 4px rgb(0, 135,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4967, 19.6610, 33.6028 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, 154) }
```

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

```
.background{ background-color: rgb(0, 135,  
154) }
```

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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