

Converting Colors

XYZ(14.5773, 19.5003, 23.8018)

Have a look what the booklet for
XYZ(14.5773, 19.5003, 23.8018)
contains.

XYZ(14.5967, 19.5183, 23.7670)	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(14.5967, 19.5183,
23.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	428581
RGB	66, 133, 129
RGB Percent	26%, 52%, 51%
CMY	0.7412, 0.4784, 0.4941
CMYK	0.50, 0.00, 0.03, 0.48
HSL	176°, 34%, 39%
HSV	176°, 50%, 52%
XYZ	14.5967, 19.5183, 23.7670
YIQ	112.5110, -38.6480, -15.4480

Conversions

Conversions Part 2

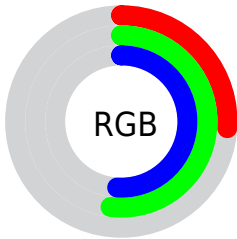
Format	Color
RYB	66, 101, 133
Decimal	4359553
CIELab	51.29, -22.28, -4.41
CIElCh	51, 22.709, 191.189
Yxy	19.5183, 0.2522, 0.3372
Android (android.graphics.Color)	4282549633 (0xFF428581)
YUV	112.5110, 8.1291, -40.7901
Hunter-Lab	44.1795, -18.3386, -0.9702

Details

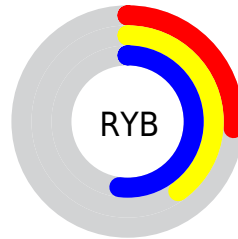
The XYZ color **14.5967, 19.5183, 23.7670** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.7272, 9.3256, 6.9241**, and the grayscale version is **15.5368, 16.3459, 17.8007**.

A 20% lighter version of the original color is **33.6102, 42.4171, 50.6719**, and **4.5537, 6.7722, 8.6566** is the 20% darker color. If you saturate the color by 10%, you get **13.7503, 19.0885, 23.4532**, and if you desaturate by 10%, it is **15.6530, 20.0572, 24.0936**.

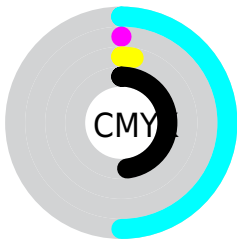
Distribution



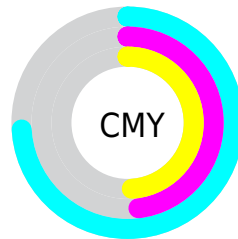
- Red (26%)
- Green (52%)
- Blue (51%)



- Red (26%)
- Yellow (40%)
- Blue (52%)



- Cyan (50%)
- Magenta (0%)
- Yellow (3%)
- Black (48%)



- Cyan (74%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.5967, 19.5183, 23.7670 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 14.5967, 19.5183, 23.7670 by changing the saturation by 10% instead.

■ 14.5967, 19.5183,
23.7670

■ 14.5967, 19.5183,
23.7670

214.3491,
249.2953, 284.8889

■ 8.6213, 12.0454,
14.9503

■ 33.7216, 42.6081,
50.5888

■ 4.5501, 6.7746,
8.6383

■ 47.6018, 58.9937,
69.4309

■ 2.0178, 3.3215,
4.4124

■ 64.8477, 79.1191,
92.4519

■ 0.6439, 1.3018,
1.8542

■ 85.8245, 103.3686,
120.0703

■ 0.0000, 0.1426,
0.4634

■ 110.8978,
132.1265, 152.7047

■ 0.0000, 0.0000,
0.0000

140.4327,

165.7774, 190.7735

174.7947,
204.7055, 234.6954

■ 14.5967, 19.5183,
23.7670

■ 14.5967, 19.5183,
23.7670

■ 13.7503, 19.0885,
23.4532

■ 15.6530, 20.0572,
24.0936

■ 13.0976, 18.7580,
23.1503

■ 16.9309, 20.7098,
24.4323

■ 12.6224, 18.5191,
22.8577

■ 18.4430, 21.4831,
24.7840

■ 12.3055, 18.3616,
22.5747

■ 20.2006, 22.3829,
25.1495

■ 12.0933, 18.2579,
22.3087

■ 22.2142, 23.4146,
25.5291

■ 24.4938, 24.5834,
25.9233

■ 27.0488, 25.8942,
26.3325

■ 29.8881, 27.3515,
26.7572

■ 33.0203, 28.9596,
27.1979

Harmonies

Analogous

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



14.7248, 19.5183, 17.4767



14.5967, 19.5183, 23.7670



15.4617, 19.5183, 30.5757

Triad

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



14.5967, 19.5183, 23.7670



21.5718, 19.5183, 32.0951



19.9924, 19.5183, 11.4925

Complementary

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



14.5967, 19.5183, 23.7670



12.7272, 9.3256, 6.9241

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.



22.0279, 19.5183, 14.0474



14.5967, 19.5183, 23.7670



22.9897, 19.5183, 25.5355

Square

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



14.5967, 19.5183, 23.7670



19.4101, 19.5183, 35.9962



23.1631, 19.5183, 18.9212



17.7187, 19.5183, 11.2098

Rectangle

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



14.5967, 19.5183, 23.7670



16.5298, 19.5183, 34.1700



23.1631, 19.5183, 18.9212



20.7318, 19.5183, 12.0853

Sweetspot

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



14.5973, 19.5191, 23.7675



34.5547, 39.2526, 44.7078



11.9310, 18.4887, 8.0944



7.6598, 8.7792, 10.0460



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.5973, 19.5191, 23.7675



24.4926, 34.1161, 41.9439



11.4279, 12.7462, 24.0492



4.7899, 5.2742, 5.9050



11.5197, 17.3907, 21.2541



0.0408, 0.0606, 0.0784

Inverse Universe

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



12.7272, 9.3256, 6.9241



20.7622, 13.7465, 8.3190



14.7521, 13.5709, 6.9965



4.6830, 4.6929, 4.9431



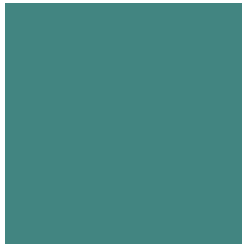
9.2561, 4.7668, 0.6553



0.0328, 0.0168, 0.0059

Previews

White Background



This preview shows how the XYZ color 14.5967, 19.5183, 23.7670 looks on a white background.

Color Contrast Check

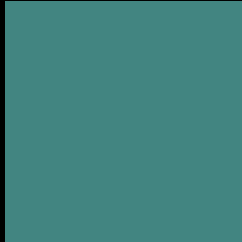
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.5967, 19.5183, 23.7670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

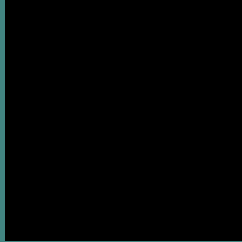
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.5967, 19.5183, 23.7670

Background



This preview shows how black text looks on a background with the XYZ color 14.5967, 19.5183, 23.7670.



This preview shows how white text looks on a background with the XYZ color 14.5967, 19.5183,

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

14.5967, 19.5183, 23.7670

Protanopia

18.6624, 19.3650, 21.1666

Deuteranopia

19.5454, 19.2120, 24.5079



Tritanopia

15.5246, 19.4877, 28.5345

Trichromacy



Original Color

14.5967, 19.5183, 23.7670

Protanomaly

16.6288, 19.0315, 22.1990

Deuteranomaly

17.0054, 18.8079, 24.2067

Tritanomaly

15.2209, 19.5739, 26.6428

Monochromacy



Original Color

14.5967, 19.5183, 23.7670

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.8701, 17.2516, 19.9989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.5967, 19.5183, 23.7670 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(66, 133, 129)` looks like.

```
.text, #text, p{  
    color:rgb(66, 133, 129)  
}
```

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(66, 133, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 133, 129) }
```

Border

The CSS property to change the border of an element to XYZ 14.5967, 19.5183, 23.7670 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(66, 133, 129) }
```


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

```
.border{ border-color:rgb(66, 133, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 133, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 133, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 133, 129);  
box-shadow:4px 4px 4px 4px rgb(66, 133,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 14.5967, 19.5183, 23.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 133, 129) }
```

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

```
.background{ background-color: rgb(66, 133,  
129) }
```

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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