

Converting Colors

XYZ(23.6714, 33.7329, 34.9696)

Have a look what the booklet for
XYZ(23.6714, 33.7329, 34.9696)
contains.

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Color

**XYZ(23.6716, 33.7319,
34.9690)**

Conversions

Conversions Part 1

Format	Color
Hex	4DAD98
RGB	77, 173, 152
RGB Percent	30%, 68%, 60%
CMY	0.6980, 0.3216, 0.4039
CMYK	0.55, 0.00, 0.12, 0.32
HSL	167°, 38%, 49%
HSV	167°, 55%, 68%
XYZ	23.6716, 33.7319, 34.9690
YIQ	141.9020, -50.4750, -26.8830

Conversions

Conversions Part 2

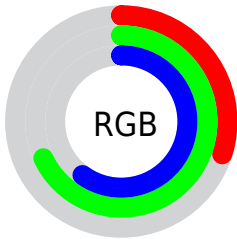
Format	Color
RYB	77, 131, 173
Decimal	5090712
CIELab	64.75, -33.48, 2.26
CIElCh	65, 33.552, 176.139
Yxy	33.7319, 0.2563, 0.3652
Android (android.graphics.Color)	4283280792 (0xFF4DAD98)
YUV	141.9020, 4.9783, -56.9191
Hunter-Lab	58.0792, -28.8865, 4.9574

Details

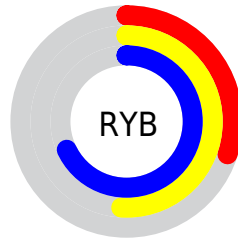
The XYZ color **23.6716, 33.7319, 34.9690** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.0932, 15.0747, 13.3017**, and the grayscale version is **25.6684, 27.0052, 29.4087**.

A 20% lighter version of the original color is **48.9914, 65.5632, 68.4654**, and **9.0654, 14.3725, 14.6083** is the 20% darker color. If you saturate the color by 10%, you get **22.1522, 32.9847, 33.3060**, and if you desaturate by 10%, it is **25.5740, 34.6771, 36.7030**.

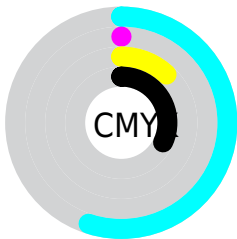
Distribution



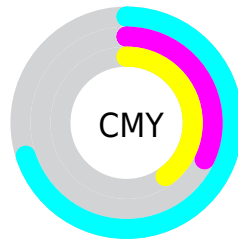
- Red (30%)
- Green (68%)
- Blue (60%)



- Red (30%)
- Yellow (51%)
- Blue (68%)



- Cyan (55%)
- Magenta (0%)
- Yellow (12%)
- Black (32%)





- Cyan (70%)
- Magenta (32%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.6716, 33.7319, 34.9690 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 23.6716, 33.7319, 34.9690 by changing the saturation by 10% instead.


 23.6716, 33.7319,
34.9690


 23.6716, 33.7319,
34.9690

263.6274,
318.9349, 339.3316


 15.2136, 22.6877,
23.3556


 48.9524, 65.5165,
68.5888


 9.0567, 14.3631,
14.6486


 66.5058, 87.0258,
91.4323


 4.8356, 8.3736,
8.4292


 87.8218, 112.7922,
118.8562

 2.1849, 4.3349,
4.2791

 113.2657,
143.2001, 151.2791

 0.7348, 1.8626,
1.7797

 143.2029,
178.6339, 189.1196

 0.0000, 0.5258,
0.4145

177.9986,

 0.0000, 0.0000,

219.4781, 232.7961

0.0000

218.0183,
266.1169, 282.7273

■ 23.6716, 33.7319,
34.9690

■ 23.6716, 33.7319,
34.9690

■ 22.1522, 32.9847,
33.3060

■ 25.5740, 34.6771,
36.7030

■ 20.9826, 32.4159,
31.7099

■ 27.8836, 35.8301,
38.5075

■ 20.1291, 32.0088,
30.1792

■ 30.6256, 37.2050,
40.3847

■ 19.5473, 31.7408,
28.7115

■ 33.8226, 38.8132,
42.3363

■ 19.3283, 31.6419,
28.0679

■ 37.4955, 40.6656,
44.3636

■ 41.6639, 42.7722,
46.4681

■ 46.3462, 45.1426,
48.6510

■ 51.5601, 47.7858,
50.9135

■ 57.3222, 50.7103,
53.2570

Harmonies

Analogous

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



24.9618, 33.7319, 23.8307



23.6716, 33.7319, 34.9690



24.4371, 33.7319, 49.7124

Triad

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



23.6716, 33.7319, 34.9690



36.3217, 33.7319, 66.0956



37.5097, 33.7319, 18.7966

Complementary

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



23.6716, 33.7319, 34.9690



22.0932, 15.0747, 13.3017

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.



41.1258, 33.7319, 26.2282



23.6716, 33.7319, 34.9690



40.3931, 33.7319, 53.5992

Square

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



23.6716, 33.7319, 34.9690



31.4408, 33.7319, 70.1026



42.2302, 33.7319, 38.5456



32.6896, 33.7319, 16.0945

Rectangle

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



23.6716, 33.7319, 34.9690



26.0562, 33.7319, 59.3935



42.2302, 33.7319, 38.5456



38.9244, 33.7319, 20.7166

Sweetspot

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



23.6726, 33.7332, 34.9698



59.4760, 68.9580, 75.1781



21.4735, 33.0996, 12.2788



12.6786, 14.8618, 16.1907



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



23.6726, 33.7332, 34.9698



39.0514, 58.7685, 58.8694



21.1004, 25.5882, 43.3636



8.1602, 9.0416, 9.8685



14.2208, 23.2536, 20.7343



0.4140, 0.6542, 0.6737

Inverse Universe

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



22.0932, 15.0747, 13.3017



35.9677, 21.8761, 16.2211



23.3848, 19.0422, 9.4647



8.0743, 8.0430, 8.7021



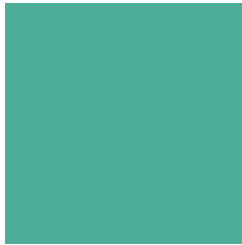
12.9340, 6.6361, 2.0317



0.3797, 0.1926, 0.1613

Previews

White Background



This preview shows how the XYZ color 23.6716, 33.7319, 34.9690 looks on a white background.

Color Contrast Check

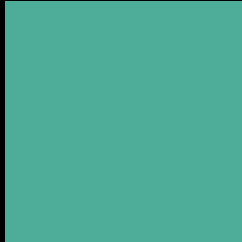
Large Text (above 18pt) WCAG AA × Fail

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 23.6716, 33.7319, 34.9690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

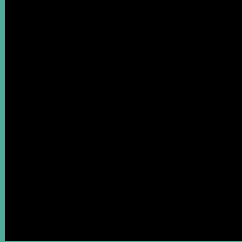
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6716, 33.7319, 34.9690

Background



This preview shows how black text looks on a background with the XYZ color 23.6716, 33.7319, 34.9690.

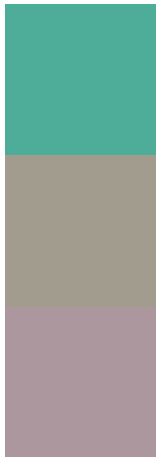


This preview shows how white text looks on a background with the XYZ color 23.6716, 33.7319,

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

23.6716, 33.7319, 34.9690

Protanopia

31.7467, 33.4415, 30.7682

Deuteranopia

33.9470, 33.2255, 36.5222



Tritanopia

26.5619, 33.7796, 49.3761

Trichromacy



Original Color

23.6716, 33.7319, 34.9690

Protanomaly

27.4687, 32.7413, 32.0661

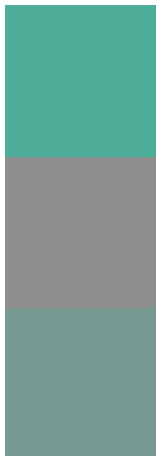
Deuteranomaly

28.6311, 32.4812, 35.7708

Tritanomaly

25.2927, 33.5287, 43.6667

Monochromacy



Original Color

23.6716, 33.7319, 34.9690

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.0508, 28.7093, 31.4680

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6716, 33.7319, 34.9690 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(77, 173, 152)` looks like.

```
.text, #text, p{  
    color:rgb(77, 173, 152)  
}
```

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(77, 173, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 173, 152) }
```

Border

The CSS property to change the border of an element to XYZ 23.6716, 33.7319, 34.9690 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(77, 173, 152) }
```


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

```
.border{ border-color:rgb(77, 173, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 173, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 173, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 173, 152);  
box-shadow:4px 4px 4px 4px rgb(77, 173,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6716, 33.7319, 34.9690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 173, 152) }
```

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

```
.background{ background-color: rgb(77, 173,  
152) }
```

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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