

Converting Colors

XYZ(23.5898, 33.2818, 36.6707)

Have a look what the booklet for
XYZ(23.5898, 33.2818, 36.6707)
contains.

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Color

**XYZ(23.6549, 33.4012,
36.6528)**

Conversions

Conversions Part 1

Format	Color
Hex	4BAC9C
RGB	75, 172, 156
RGB Percent	29%, 67%, 61%
CMY	0.7059, 0.3255, 0.3882
CMYK	0.56, 0.00, 0.09, 0.33
HSL	170°, 39%, 48%
HSV	170°, 56%, 67%
XYZ	23.6549, 33.4012, 36.6528
YIQ	141.1730, -52.6760, -25.5400

Conversions

Conversions Part 2

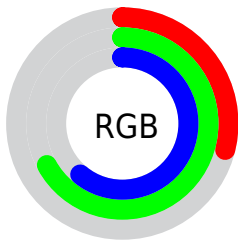
Format	Color
RYB	75, 128, 172
Decimal	4959388
CIELab	64.48, -32.41, -0.36
CIELCh	64, 32.410, 180.638
Yxy	33.4012, 0.2524, 0.3564
Android (android.graphics.Color)	4283149468 (0xFF4BAC9C)
YUV	141.1730, 7.3097, -58.0337
Hunter-Lab	57.7938, -28.0793, 2.8539

Details

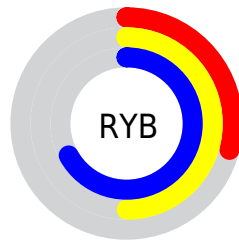
The XYZ color **23.6549, 33.4012, 36.6528** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.4188, 14.5590, 11.5800**, and the grayscale version is **25.3731, 26.6945, 29.0703**.

A 20% lighter version of the original color is **48.8920, 65.0455, 70.9509**, and **9.1466, 14.2136, 15.6260** is the 20% darker color. If you saturate the color by 10%, you get **22.2499, 32.7051, 35.3480**, and if you desaturate by 10%, it is **25.4311, 34.2896, 38.0058**.

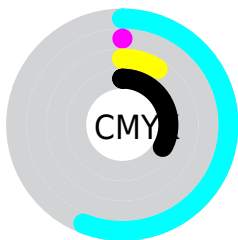
Distribution



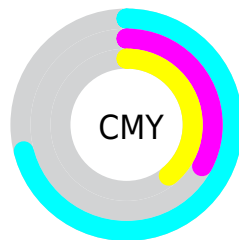
- Red (29%)
- Green (67%)
- Blue (61%)



- Red (29%)
- Yellow (50%)
- Blue (67%)



- Cyan (56%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)



- Cyan (71%)
- Magenta (33%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6549, 33.4012, 36.6528 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 23.6549, 33.4012, 36.6528 by changing the saturation by 10% instead.

■ 23.6549, 33.4012,
36.6528

■ 23.6549, 33.4012,
36.6528

263.5441,
317.4537, 346.9282

■ 15.2012, 22.4340,
24.6451

■ 48.9252, 65.0014,
71.2188

■ 9.0479, 14.1761,
15.5962

■ 66.4726, 86.4032,
94.6142

■ 4.8298, 8.2433,
9.0876

■ 87.7818, 112.0519,
122.6426

■ 2.1815, 4.2510,
4.7008

■ 113.2183,
142.3319, 155.7225

■ 0.7330, 1.8149,
2.0172

■ 143.1474,
177.6278, 194.2725

■ 0.0000, 0.4965,
0.5658

177.9345,

■ 0.0000, 0.0000,

218.3237, 238.7111

0.0000

217.9450,
264.8043, 289.4568

■ 23.6549, 33.4012,
36.6528

■ 23.6549, 33.4012,
36.6528

■ 22.2499, 32.7051,
35.3480

■ 25.4311, 34.2896,
38.0058

■ 21.1831, 32.1820,
34.0874

■ 27.6024, 35.3802,
39.4060

■ 20.4206, 31.8151,
32.8700

■ 30.1940, 36.6868,
40.8555

■ 19.9147, 31.5798,
31.6932

■ 33.2281, 38.2209,
42.3557

■ 19.7587, 31.5084,
31.2771

■ 36.7256, 39.9932,
43.9076

■ 40.7057, 42.0136,
45.5124

■ 45.1867, 44.2916,
47.1711

■ 50.1859, 46.8360,
48.8846

■ 55.7199, 49.6554,
50.6540

Harmonies

Analogous

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



24.6063, 33.4012, 25.2498



23.6549, 33.4012, 36.6528



24.6901, 33.4012, 50.9616

Triad

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



23.6549, 33.4012, 36.6528



36.5006, 33.4012, 62.9946



36.3125, 33.4012, 18.3732

Complementary

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



23.6549, 33.4012, 36.6528



21.4188, 14.5590, 11.5800

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.



40.0344, 33.4012, 24.8663



23.6549, 33.4012, 36.6528



40.1502, 33.4012, 50.3484

Square

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



23.6549, 33.4012, 36.6528



31.8460, 33.4012, 68.2635



41.5011, 33.4012, 36.0851



31.6478, 33.4012, 16.3750

Rectangle

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



23.6549, 33.4012, 36.6528



26.4315, 33.4012, 59.8422



41.5011, 33.4012, 36.0851



37.7309, 33.4012, 20.0098

Sweetspot

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



23.6559, 33.4025, 36.6536



59.7431, 69.0648, 76.5850



20.3544, 32.2470, 11.8087



12.7428, 14.8875, 16.5287



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.



23.6559, 33.4025, 36.6536



39.7567, 59.0310, 63.4701



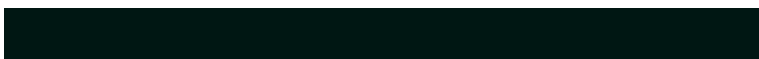
19.6785, 23.1345, 42.4594



8.1787, 9.0491, 9.9662



14.7204, 23.4534, 23.3651



0.4244, 0.6584, 0.7282

Inverse Universe

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



21.4188, 14.5590, 11.5800



35.3263, 21.3839, 13.5701



23.5769, 19.8648, 9.2489



8.0571, 8.0361, 8.6117



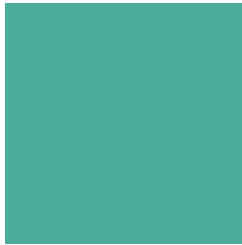
12.8342, 6.5962, 1.5063



0.3729, 0.1899, 0.1257

Previews

White Background



This preview shows how the XYZ color 23.6549, 33.4012, 36.6528 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 23.6549, 33.4012, 36.6528 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

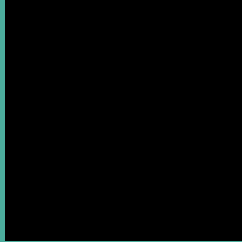
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.6549, 33.4012, 36.6528

Background



This preview shows how black text looks on a background with the XYZ color 23.6549, 33.4012, 36.6528.

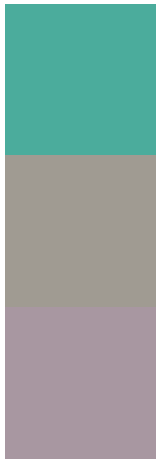


This preview shows how white text looks on a background with the XYZ color 23.6549, 33.4012,

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

23.6549, 33.4012, 36.6528

Protanopia

31.4069, 32.9916, 31.9068

Deuteranopia

33.6481, 33.0313, 38.3204



Tritanopia

26.1023, 33.2675, 49.3015

Trichromacy



Original Color

23.6549, 33.4012, 36.6528

Protanomaly

27.3032, 32.3589, 33.6610

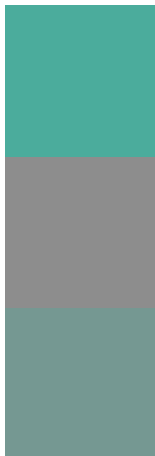
Deuteranomaly

28.4877, 32.3678, 37.5470

Tritanomaly

25.1241, 33.1424, 44.6081

Monochromacy



Original Color

23.6549, 33.4012, 36.6528

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

23.7527, 28.3137, 31.4073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6549, 33.4012, 36.6528 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(75, 172, 156)` looks like.

```
.text, #text, p{  
    color:rgb(75, 172, 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(75, 172, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 172, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.6549, 33.4012, 36.6528 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(75, 172, 156) }
```


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

```
.border{ border-color:rgb(75, 172, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 172, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 172, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 172, 156);  
box-shadow:4px 4px 4px 4px rgb(75, 172,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6549, 33.4012, 36.6528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 172, 156) }
```

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

```
.background{ background-color: rgb(75, 172,  
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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