

Converting Colors

XYZ(29.3486, 39.5997, 63.4299)

Have a look what the booklet for
XYZ(29.3486, 39.5997, 63.4299)
contains.

XYZ(29.3302, 39.6154, 63.2274)	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(29.3302, 39.6154,
63.2274)**

Conversions

Conversions Part 1

Format	Color
Hex	2DB9CC
RGB	45, 185, 204
RGB Percent	18%, 73%, 80%
CMY	0.8235, 0.2745, 0.2000
CMYK	0.78, 0.09, 0.00, 0.20
HSL	187°, 64%, 49%
HSV	187°, 78%, 80%
XYZ	29.3302, 39.6154, 63.2274
YIQ	145.3060, -89.5390, -23.7710

Conversions

Conversions Part 2

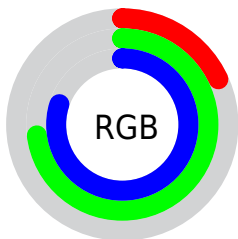
Format	Color
RYB	45, 119, 204
Decimal	2996684
CIELab	69.19, -29.34, -19.97
CIElCh	69, 35.490, 214.242
Yxy	39.6154, 0.2219, 0.2997
Android (android.graphics.Color)	4281186764 (0xFF2DB9CC)
YUV	145.3060, 28.9361, -87.9684
Hunter-Lab	62.9408, -26.9659, -15.5015

Details

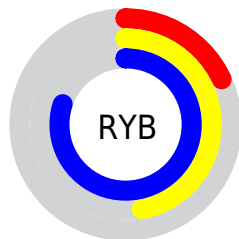
The XYZ color **29.3302, 39.6154, 63.2274** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **27.2101, 16.6952, 4.2723**, and the grayscale version is **26.9521, 28.3557, 30.8793**.

A 20% lighter version of the original color is **56.8414, 73.9125, 105.8784**, and **13.6213, 18.4346, 31.6945** is the 20% darker color. If you saturate the color by 10%, you get **28.1345, 38.2492, 63.0275**, and if you desaturate by 10%, it is **30.9705, 41.2254, 63.4525**.

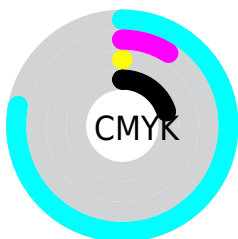
Distribution



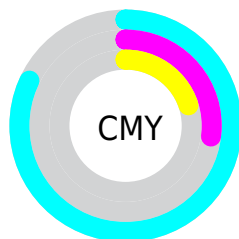
- Red (18%)
- Green (73%)
- Blue (80%)



- Red (18%)
- Yellow (47%)
- Blue (80%)



- Cyan (78%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (82%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3302, 39.6154, 63.2274 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 29.3302, 39.6154, 63.2274 by changing the saturation by 10% instead.

■ 29.3302, 39.6154,
63.2274

■ 29.3302, 39.6154,
63.2274

290.7359,
344.4999, 454.5249

■ 19.4763, 27.2388,
45.5830

■ 57.9952, 74.5775,
111.0863

■ 12.1210, 17.7527,
31.5706

■ 77.5371, 97.9318,
142.1378

■ 6.8989, 10.7726,
20.7716

■ 101.0389,
125.7141, 178.4955

■ 3.4447, 5.9141,
12.7676

■ 128.8662,
158.3089, 220.5779

■ 1.3931, 2.7929,
7.1398

■ 161.3841,
196.1004, 268.8035

■ 0.2513, 1.0246,
3.4699

198.9582,

■ 0.0000, 0.0000,

239.4732, 323.5908

1.3393

241.9536,
288.8115, 385.3585

■ 0.0000, 0.0000,
0.0937

■ 0.0000, 0.0000,
0.0000

■ 29.3302, 39.6154,
63.2274

■ 29.3302, 39.6154,
63.2274

■ 28.1345, 38.2492,
63.0275

■ 30.9705, 41.2254,
63.4525

■ 27.2989, 37.0807,
62.8460

■ 33.1068, 43.1033,
63.7023

■ 27.1446, 36.8505,
62.8097

■ 35.7875, 45.2750,
63.9802

■ 39.0540, 47.7619,
64.2881

■ 42.9439, 50.5834,
64.6277

■ 47.4915, 53.7572,
65.0006

■ 52.7285, 57.2998,
65.4084

■ 58.6847, 61.2265,
65.8524

■ 65.3880, 65.5519,
66.3339

Harmonies

Analogous

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



27.7816, 39.6154, 45.4885



29.3302, 39.6154, 63.2274



33.1054, 39.6154, 77.8656

Triad

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



29.3302, 39.6154, 63.2274



48.3663, 39.6154, 58.1985



36.8516, 39.6154, 18.8638

Complementary

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



29.3302, 39.6154, 63.2274



27.2101, 16.6952, 4.2723

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.



42.5996, 39.6154, 20.6585



29.3302, 39.6154, 63.2274



49.6235, 39.6154, 40.8630

Square

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



29.3302, 39.6154, 63.2274



44.1363, 39.6154, 74.4873



47.4184, 39.6154, 27.8251



31.8384, 39.6154, 22.1066

Rectangle

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



29.3302, 39.6154, 63.2274



36.5685, 39.6154, 82.3200



47.4184, 39.6154, 27.8251



38.7593, 39.6154, 18.9054

Sweetspot

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



29.3315, 39.6168, 63.2284



74.4709, 86.1323, 107.3079



23.5889, 44.1097, 12.0560



15.3691, 18.0344, 22.9209



0.0000, 0.0000, 0.0000



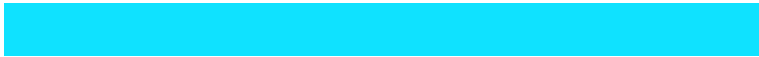
20.3446, 21.4041, 23.3091

Same Dimension

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



29.3315, 39.6168, 63.2284



45.5453, 61.9109, 104.1573



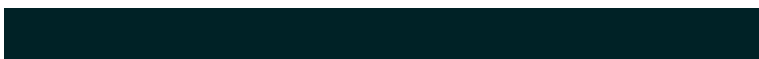
17.1317, 15.2173, 59.1618



11.4244, 12.4892, 14.3789



17.1302, 23.2843, 39.5477



0.9168, 1.2674, 2.0512

Inverse Universe

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



34.5983, 18.2182, 47.5933



55.1916, 27.1208, 74.5342



35.2069, 32.6887, 6.9378



11.6276, 11.3798, 13.8394



20.8574, 10.1536, 28.0316



1.0927, 0.5305, 1.5340

Previews

White Background



This preview shows how the XYZ color 29.3302, 39.6154, 63.2274 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 29.3302, 39.6154, 63.2274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

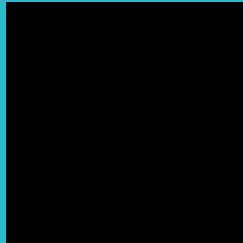
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

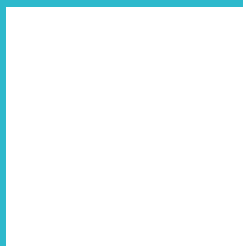
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.3302, 39.6154, 63.2274

Background



This preview shows how black text looks on a background with the XYZ color 29.3302, 39.6154, 63.2274.

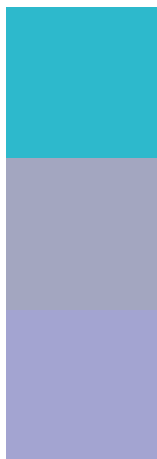


This preview shows how white text looks on a background with the XYZ color 29.3302, 39.6154,

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

29.3302, 39.6154, 63.2274

Protanopia

38.2549, 38.8647, 55.3546

Deuteranopia

39.8883, 38.9409, 65.7356



Tritanopia

29.0564, 39.8271, 61.4143

Trichromacy



Original Color

29.3302, 39.6154, 63.2274



Protanomaly

32.6531, 37.8657, 57.8124



Deuteranomaly

33.7607, 38.0031, 64.5874



Tritanomaly

29.2158, 39.8957, 62.0379

Monochromacy



Original Color

29.3302, 39.6154, 63.2274



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

25.7604, 31.1460, 40.7305

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3302, 39.6154, 63.2274 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(45, 185, 204)` looks like.

```
.text, #text, p{  
  color:rgb(45, 185, 204)  
}
```

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(45, 185, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 185, 204) }
```

Border

The CSS property to change the border of an element to XYZ 29.3302, 39.6154, 63.2274 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(45, 185, 204) }
```


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

```
.border{ border-color:rgb(45, 185, 204) }
```

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

Here you see how a box with a 4 pixel rgb(45, 185, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 185, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 185, 204);  
box-shadow:4px 4px 4px 4px rgb(45, 185,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3302, 39.6154, 63.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 185, 204) }
```

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

```
.background{ background-color: rgb(45, 185,  
204) }
```

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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