

Converting Colors

XYZ(33.6059, 46.6923, 77.3706)

Have a look what the booklet for
XYZ(33.6059, 46.6923, 77.3706)
contains.

XYZ(34.2059, 47.1010, 77.1006)	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(34.2059, 47.1010,
77.1006)**

Conversions

Conversions Part 1

Format	Color
Hex	00C9DF
RGB	0, 201, 223
RGB Percent	0%, 79%, 87%
CMY	0.9998, 0.2118, 0.1255
CMYK	1.00, 0.10, 0.00, 0.13
HSL	186°, 100%, 44%
HSV	186°, 100%, 87%
XYZ	34.2059, 47.1010, 77.1006
YIQ	143.4090, -126.8580, -35.7700

Conversions

Conversions Part 2

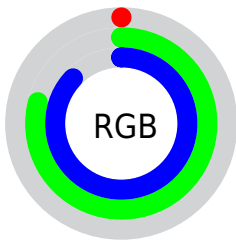
Format	Color
RYB	0, 106, 223
Decimal	51679
CIELab	74.25, -33.38, -22.65
CIELCh	74, 40.337, 214.165
Yxy	47.1010, 0.2159, 0.2973
Android (android.graphics.Color)	4278241759 (0xFF00C9DF)
YUV	143.4090, 39.2384, -125.7697
Hunter-Lab	68.6302, -31.1368, -18.5665

Details

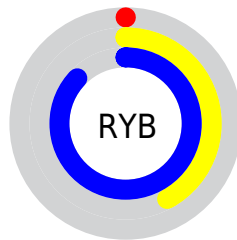
The XYZ color **34.2059, 47.1010, 77.1006** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **30.7200, 16.2641, 1.5217**, and the grayscale version is **26.1631, 27.5256, 29.9754**.

A 20% lighter version of the original color is **60.1167, 81.9912, 107.2651**, and **17.3468, 23.3849, 40.6453** is the 20% darker color. If you saturate the color by 10%, you get **34.2055, 47.0999, 77.1013**, and if you desaturate by 10%, it is **35.0621, 48.3103, 77.2898**.

Distribution



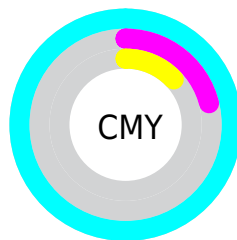
- Red (0%)
- Green (79%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.2059, 47.1010, 77.1006 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 34.2059, 47.1010, 77.1006 by changing the saturation by 10% instead.

34.2059, 47.1010,
77.1006

34.2059, 47.1010,
77.1006

312.6190,
375.2175, 504.5537

23.2155, 33.1155,
56.8234

65.5959, 85.8644,
131.0558

14.8743, 22.2149,
40.4550

86.7262, 111.4110,
165.5708

8.8169, 14.0149,
27.5770

111.9671,
141.5802, 205.6689

4.6781, 8.1310,
17.7708

141.6840,
176.7563, 251.7686

2.0925, 4.1789,
10.6178

176.2423,
217.3237, 304.2884

0.6851, 1.7741,
5.6996

216.0073,

0.0000, 0.4710,

263.6667, 363.6468

2.5974

261.3444,
316.1699, 430.2624

■ 0.0000, 0.0000,
0.8911

■ 0.0000, 0.0000,
0.0000

■ 34.2059, 47.1010,
77.1006

■ 34.2059, 47.1010,
77.1006

■ 34.2055, 47.0999,
77.1013

■ 35.0621, 48.3103,
77.2898

■ 36.3144, 49.7338,
77.4986

■ 38.0904, 51.4383,
77.7339

■ 40.4620, 53.4608,
77.9993

■ 43.4896, 55.8326,
78.2976

■ 47.2262, 58.5811,
78.6311

■ 51.7195, 61.7308,
79.0023

■ 57.0128, 65.3042,
79.4130

■ 63.1462, 69.3219,
79.8652

Harmonies

Analogous

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



32.2659, 47.1010, 54.2365



34.2059, 47.1010, 77.1006



38.9696, 47.1010, 96.2074

Triad

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



34.2059, 47.1010, 77.1006



58.5081, 47.1010, 70.7021



43.7643, 47.1010, 20.9056

Complementary

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



34.2059, 47.1010, 77.1006



30.7200, 16.2641, 1.5217

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.



51.1150, 47.1010, 23.1125



34.2059, 47.1010, 77.1006



60.1429, 47.1010, 48.4425

Square

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



34.2059, 47.1010, 77.1006



53.0527, 47.1010, 91.8684



57.3074, 47.1010, 31.9901



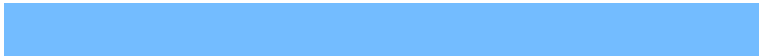
37.3942, 47.1010, 24.8573

Rectangle

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



34.2059, 47.1010, 77.1006



43.3672, 47.1010, 102.0715



57.3074, 47.1010, 31.9901



46.1988, 47.1010, 20.9613

Sweetspot

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



34.2074, 47.1027, 77.1018



69.9241, 83.5423, 107.0476



26.5031, 52.8222, 9.3986



14.3878, 17.4801, 22.8656



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.



34.2074, 47.1027, 77.1018



46.3020, 63.7240, 104.4673



17.2299, 13.1478, 71.4426



13.9950, 15.3290, 17.6089



20.1591, 27.7877, 45.3494



1.4313, 1.9940, 3.1547

Inverse Universe

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



40.9753, 19.9065, 56.9427



55.5003, 26.9641, 77.0237



38.4289, 31.6819, 4.0913



14.2337, 13.9111, 17.0007



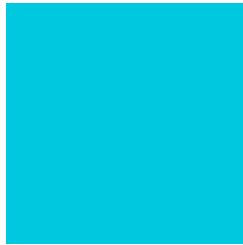
24.1156, 11.7132, 33.6040



1.6887, 0.8187, 2.4194

Previews

White Background



This preview shows how the XYZ color 34.2059, 47.1010, 77.1006 looks on a white background.

Color Contrast Check

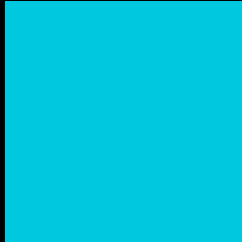
Large Text (above 18pt) WCAG AA × Fail

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 34.2059, 47.1010, 77.1006 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 34.2059, 47.1010, 77.1006

Background



This preview shows how black text looks on a background with the XYZ color 34.2059, 47.1010, 77.1006.



This preview shows how white text looks on a background with the XYZ color 34.2059, 47.1010,

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

34.2059, 47.1010, 77.1006

Protanopia

45.7344, 46.4761, 66.8819

Deuteranopia

47.6032, 46.5562, 79.8761



Tritanopia

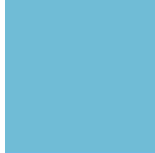
33.7754, 47.3030, 73.6799

Trichromacy



Original Color

34.2059, 47.1010, 77.1006



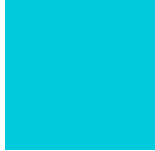
Protanomaly

36.8029, 44.2662, 70.2228



Deuteranomaly

37.8419, 43.9883, 78.4476



Tritanomaly

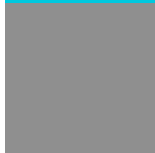
34.0388, 47.4084, 75.0668

Monochromacy



Original Color

34.2059, 47.1010, 77.1006



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

25.0362, 31.7536, 43.8392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.2059, 47.1010, 77.1006 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, 201, 223)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 223)  
}
```

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, 201, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 223) }
```

Border

The CSS property to change the border of an element to XYZ 34.2059, 47.1010, 77.1006 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, 201, 223) }
```


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

```
.border{ border-color:rgb(0, 201, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 34.2059, 47.1010, 77.1006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 223) }
```

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

```
.background{ background-color: rgb(0, 201,  
223) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor