

Converting Colors

XYZ(33.2304, 47.3112, 67.7031)

Have a look what the booklet for
XYZ(33.2304, 47.3112, 67.7031)
contains.

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Color

**XYZ(33.1358, 47.1057,
67.6675)**

Conversions

Conversions Part 1

Format	Color
Hex	1DCAD1
RGB	29, 202, 209
RGB Percent	11%, 79%, 82%
CMY	0.8862, 0.2078, 0.1804
CMYK	0.86, 0.03, 0.00, 0.18
HSL	182°, 76%, 47%
HSV	182°, 86%, 82%
XYZ	33.1358, 47.1057, 67.6675
YIQ	151.0710, -105.3550, -34.4990

Conversions

Conversions Part 2

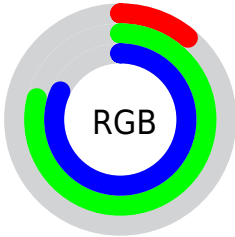
Format	Color
R _Y B	29, 117, 209
Decimal	1952465
CIE Lab	74.26, -37.14, -15.06
CIE LCh	74, 40.074, 202.072
Yxy	47.1057, 0.2240, 0.3185
Android (android.graphics.Color)	4280142545 (0xFF1DCAD1)
YUV	151.0710, 28.5590, -107.0563
Hunter-Lab	68.6336, -33.9303, -10.4119

Details

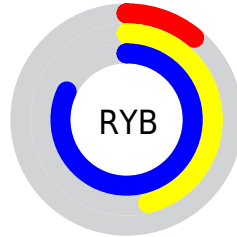
The XYZ color **33.1358, 47.1057, 67.6675** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **27.1483, 14.9072, 2.6101**, and the grayscale version is **29.3627, 30.8919, 33.6412**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **16.3501, 23.2340, 34.6332** is the 20% darker color. If you saturate the color by 10%, you get **32.5414, 46.5179, 67.5863**, and if you desaturate by 10%, it is **34.1326, 47.9044, 67.7700**.

Distribution



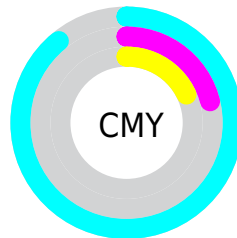
- Red (11%)
- Green (79%)
- Blue (82%)



- Red (11%)
- Yellow (46%)
- Blue (82%)



- Cyan (86%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)



- Cyan (89%)
- Magenta (21%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1358, 47.1057, 67.6675 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 33.1358, 47.1057, 67.6675 by changing the saturation by 10% instead.

33.1358, 47.1057,
67.6675

33.1358, 47.1057,
67.6675

307.9154,
375.2363, 470.8831

22.3902, 33.1192,
49.1623

63.9407, 85.8714,
117.5261

14.2621, 22.2178,
34.3817

84.7308, 111.4194,
149.7165

8.3861, 14.0170,
22.9073

109.5998,
141.5900, 187.3057

4.3969, 8.1325,
14.3204

138.9130,
176.7676, 230.7123

1.9290, 4.1799,
8.2026

173.0358,
217.3367, 280.3548

0.5936, 1.7747,
4.1352

212.3336,

0.0000, 0.4713,

263.6815, 336.6517

1.6998

257.1717,
316.1866, 400.0217

■ 0.0000, 0.0000,
0.3606

■ 0.0000, 0.0000,
0.0000

■ 33.1358, 47.1057,
67.6675

■ 33.1358, 47.1057,
67.6675

■ 32.5414, 46.5179,
67.5863

■ 34.1326, 47.9044,
67.7700

■ 32.3662, 46.3183,
67.5570

■ 35.5987, 48.9455,
67.8937

■ 37.5923, 50.2601,
68.0424

■ 40.1621, 51.8732,
68.2183

■ 43.3513, 53.8071,
68.4235

■ 47.1989, 56.0819,
68.6598

■ 51.7408, 58.7162,
68.9288

■ 57.0102, 61.7270,
69.2323

■ 63.0383, 65.1304,
69.5715

Harmonies

Analogous

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



32.4195, 47.1057, 46.0168



33.1358, 47.1057, 67.6675



36.7953, 47.1057, 89.3242

Triad

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



33.1358, 47.1057, 67.6675



56.5968, 47.1057, 79.7047



46.7081, 47.1057, 21.2031

Complementary

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



33.1358, 47.1057, 67.6675



27.1483, 14.9072, 2.6101

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.



53.8268, 47.1057, 25.9537



33.1358, 47.1057, 67.6675



59.9217, 47.1057, 56.9516

Square

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



33.1358, 47.1057, 67.6675



50.1756, 47.1057, 97.4710



58.8572, 47.1057, 37.7945



39.7720, 47.1057, 22.6357

Rectangle

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



33.1358, 47.1057, 67.6675



40.6473, 47.1057, 98.9825



58.8572, 47.1057, 37.7945



49.1679, 47.1057, 22.0723

Sweetspot

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



33.1373, 47.1074, 67.6686



73.9050, 87.8866, 107.6764



23.6117, 45.9846, 9.2230



15.3417, 18.5311, 23.0182



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.



33.1373, 47.1074, 67.6686



50.7280, 72.5759, 105.9427



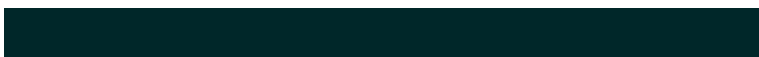
17.9224, 16.6777, 62.5970



12.1173, 13.3249, 15.1770



19.9732, 28.5930, 41.6588



1.1293, 1.6238, 2.3335

Inverse Universe

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



37.3957, 18.6996, 57.5173



57.7343, 27.8577, 88.7880



33.8518, 28.3140, 4.8446



12.2901, 12.0008, 14.8036



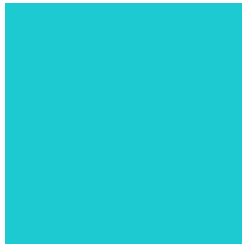
22.7123, 10.9578, 34.9867



1.2763, 0.6152, 1.9895

Previews

White Background



This preview shows how the XYZ color 33.1358, 47.1057, 67.6675 looks on a white background.

Color Contrast Check

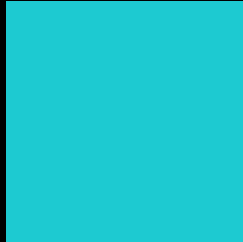
Large Text (above 18pt) WCAG AA × Fail

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 33.1358, 47.1057, 67.6675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

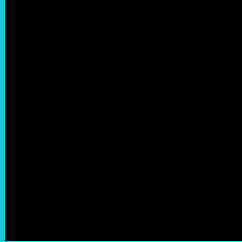
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

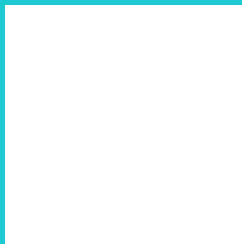
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1358, 47.1057, 67.6675

Background



This preview shows how black text looks on a background with the XYZ color 33.1358, 47.1057, 67.6675.

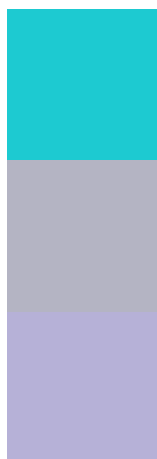


This preview shows how white text looks on a background with the XYZ color 33.1358, 47.1057,

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

33.1358, 47.1057, 67.6675

Protanopia

44.9940, 46.2859, 58.1924

Deuteranopia

47.2793, 46.2957, 70.7340



Tritanopia

34.2861, 47.2342, 72.9557

Trichromacy



Original Color

33.1358, 47.1057, 67.6675



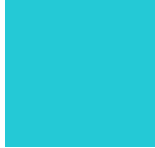
Protanomaly

36.8660, 44.4965, 61.2892



Deuteranomaly

38.1733, 44.3575, 69.5007



Tritanomaly

33.7518, 47.0034, 70.9120

Monochromacy



Original Color

33.1358, 47.1057, 67.6675



Achromatopsia

29.4150, 30.9469, 33.7012



Achromatomaly

27.8845, 34.8538, 44.2875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1358, 47.1057, 67.6675 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(29, 202, 209)` looks like.

```
.text, #text, p{  
    color:rgb(29, 202, 209)  
}
```

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(29, 202, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 202, 209) }
```

Border

The CSS property to change the border of an element to XYZ 33.1358, 47.1057, 67.6675 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(29, 202, 209) }
```


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

```
.border{ border-color:rgb(29, 202, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 202, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 202, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 202, 209);  
box-shadow:4px 4px 4px 4px rgb(29, 202,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1358, 47.1057, 67.6675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 202, 209) }
```

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

```
.background{ background-color: rgb(29, 202,  
209) }
```

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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