

Converting Colors

XYZ(36.7279, 50.3403, 71.0758)

Have a look what the booklet for
XYZ(36.7279, 50.3403, 71.0758)
contains.

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Color

**XYZ(36.7347, 50.2997,
71.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	46CED6
RGB	70, 206, 214
RGB Percent	27%, 81%, 84%
CMY	0.7255, 0.1921, 0.1608
CMYK	0.67, 0.04, 0.00, 0.16
HSL	183°, 64%, 56%
HSV	183°, 67%, 84%
XYZ	36.7347, 50.2997, 71.3910
YIQ	166.2480, -83.6240, -26.3440

Conversions

Conversions Part 2

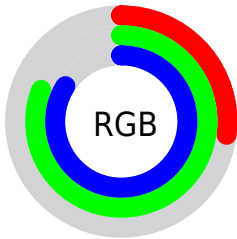
Format	Color
RYB	70, 140, 214
Decimal	4640470
CIELab	76.25, -33.43, -14.69
CIELCh	76, 36.520, 203.724
Yxy	50.2997, 0.2319, 0.3175
Android (android.graphics.Color)	4282830550 (0xFF46CED6)
YUV	166.2480, 23.5417, -84.4095
Hunter-Lab	70.9223, -31.6586, -10.0362

Details

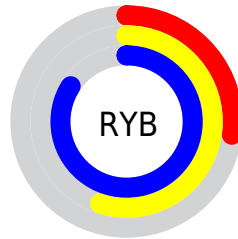
The XYZ color **36.7347, 50.2997, 71.3910** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.5627, 20.1885, 8.0291**, and the grayscale version is **36.2860, 38.1757, 41.5733**.

A 20% lighter version of the original color is **63.9633, 83.9742, 107.4452**, and **17.3246, 24.6364, 36.6431** is the 20% darker color. If you saturate the color by 10%, you get **35.1725, 49.0722, 71.2373**, and if you desaturate by 10%, it is **38.8519, 51.8187, 71.5735**.

Distribution



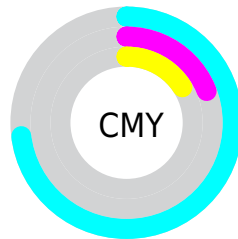
- Red (27%)
- Green (81%)
- Blue (84%)



- Red (27%)
- Yellow (55%)
- Blue (84%)



- Cyan (67%)
- Magenta (4%)
- Yellow (0%)
- Black (16%)



- Cyan (73%)
- Magenta (19%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7347, 50.2997, 71.3910 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 36.7347, 50.2997, 71.3910 by changing the saturation by 10% instead.

36.7347, 50.2997,
71.3910

36.7347, 50.2997,
71.3910

323.5360,
387.8368, 484.3396

25.1749, 35.6516,
52.1776

69.4810, 90.6188,
122.8899

16.3368, 24.1652,
36.7634

91.3983, 117.0585,
156.0125

9.8552, 15.4562,
24.7300

117.4987,
148.1976, 194.6086

5.3646, 9.1402,
15.6588

148.1477,
184.4204, 239.0966

2.4997, 4.8327,
9.1313

183.7105,
226.1113, 289.8952

0.8951, 2.1495,
4.7290

224.5526,

0.0000, 0.6922,

273.6548, 347.4228

2.0332

271.0393,
327.4351, 412.0981

■ 0.0000, 0.0000,
0.5756

■ 0.0000, 0.0000,
0.0000

■ 36.7347, 50.2997,
71.3910

■ 36.7347, 50.2997,
71.3910

■ 35.1725, 49.0722,
71.2373

■ 38.8519, 51.8187,
71.5735

■ 34.0993, 48.0989,
71.1060

■ 41.5721, 53.6507,
71.7838

■ 33.4337, 47.3389,
70.9944

■ 44.9431, 55.8214,
72.0251

■ 33.2851, 47.1498,
70.9657

■ 49.0068, 58.3525,
72.2994

■ 53.8016, 61.2636,
72.6087

■ 59.3630, 64.5733,
72.9544

■ 65.7242, 68.2985,
73.3381

■ 72.9164, 72.4553,
73.7614

■ 78.1137, 75.5870,
74.0920

Harmonies

Analogous

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



35.8739, 50.2997, 50.7466



36.7347, 50.2997, 71.3910



40.4305, 50.2997, 91.1573

Triad

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



36.7347, 50.2997, 71.3910



59.2333, 50.2997, 80.2580



49.2628, 50.2997, 25.1764

Complementary

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



36.7347, 50.2997, 71.3910



31.5627, 20.1885, 8.0291

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.



56.0332, 50.2997, 29.6372



36.7347, 50.2997, 71.3910



62.1334, 50.2997, 58.9960

Square

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



36.7347, 50.2997, 71.3910



53.3063, 50.2997, 97.0726



60.9099, 50.2997, 40.9488



42.7021, 50.2997, 26.9822

Rectangle

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



36.7347, 50.2997, 71.3910



44.2109, 50.2997, 99.5482



60.9099, 50.2997, 40.9488



51.5959, 50.2997, 25.9501

Sweetspot

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



36.7362, 50.3016, 71.3922



77.8147, 89.7832, 107.8364



27.9203, 49.9350, 15.2268



16.2179, 18.9519, 23.0533



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.



36.7362, 50.3016, 71.3922



51.4987, 72.2763, 105.8442



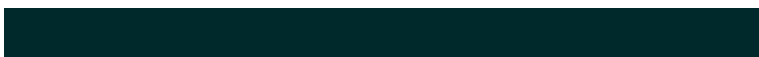
23.3011, 23.4313, 66.9138



12.7304, 13.9841, 15.9658



20.1442, 28.5502, 42.9022



1.2334, 1.7589, 2.5938

Inverse Universe

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



41.0636, 23.1342, 60.6955



58.5728, 29.9138, 87.8985



39.6176, 36.2984, 10.7141



12.9219, 12.6202, 15.5287



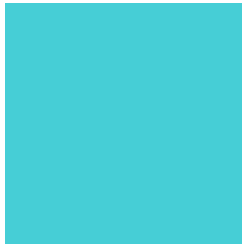
23.2267, 11.2270, 34.8276



1.4102, 0.6809, 2.1496

Previews

White Background



This preview shows how the XYZ color 36.7347, 50.2997, 71.3910 looks on a white background.

Color Contrast Check

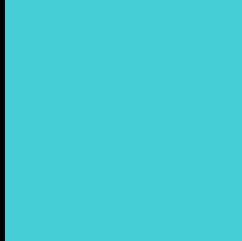
Large Text (above 18pt) WCAG AA × Fail

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 36.7347, 50.2997, 71.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

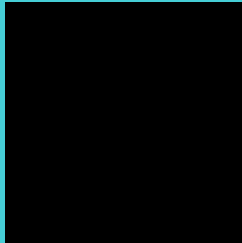
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7347, 50.2997, 71.3910

Background



This preview shows how black text looks on a background with the XYZ color 36.7347, 50.2997, 71.3910.

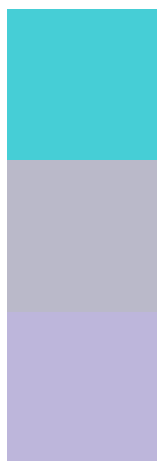


This preview shows how white text looks on a background with the XYZ color 36.7347, 50.2997,

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

36.7347, 50.2997, 71.3910

Protanopia

48.1413, 49.3541, 62.2473

Deuteranopia

50.5004, 49.3892, 73.8892



Tritanopia

37.7065, 50.3389, 76.1357

Trichromacy



Original Color

36.7347, 50.2997, 71.3910



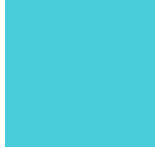
Protanomaly

41.7121, 48.5255, 65.5604



Deuteranomaly

43.0092, 48.3823, 72.7175



Tritanomaly

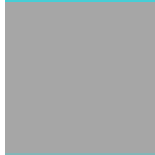
37.2339, 50.1411, 74.0454

Monochromacy



Original Color

36.7347, 50.2997, 71.3910



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

34.4312, 41.2919, 50.9552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7347, 50.2997, 71.3910 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(70, 206, 214)` looks like.

```
.text, #text, p{  
    color:rgb(70, 206, 214)  
}
```

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(70, 206, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 206, 214) }
```

Border

The CSS property to change the border of an element to XYZ 36.7347, 50.2997, 71.3910 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(70, 206, 214) }
```


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

```
.border{ border-color:rgb(70, 206, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 206, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 206, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 206, 214);  
box-shadow:4px 4px 4px 4px rgb(70, 206,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7347, 50.2997, 71.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 206, 214) }
```

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

```
.background{ background-color: rgb(70, 206,  
214) }
```

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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