

Converting Colors

XYZ(35.5007, 52.8331, 64.5925)

Have a look what the booklet for
XYZ(35.5007, 52.8331, 64.5925)
contains.

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Color

**XYZ(35.4857, 52.7450,
64.8104)**

Conversions

Conversions Part 1

Format	Color
Hex	22D6CB
RGB	34, 214, 203
RGB Percent	13%, 84%, 80%
CMY	0.8666, 0.1608, 0.2039
CMYK	0.84, 0.00, 0.05, 0.16
HSL	176°, 73%, 49%
HSV	176°, 84%, 84%
XYZ	35.4857, 52.7450, 64.8104
YIQ	158.9260, -103.7490, -41.5810

Conversions

Conversions Part 2

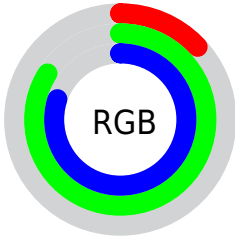
Format	Color
RYB	34, 127, 214
Decimal	2283211
CIELab	77.72, -43.95, -6.64
CIELCh	78, 44.451, 188.597
Yxy	52.7450, 0.2319, 0.3446
Android (android.graphics.Color)	4280473291 (0xFF22D6CB)
YUV	158.9260, 21.7285, -109.5601
Hunter-Lab	72.6258, -39.8781, -2.0717

Details

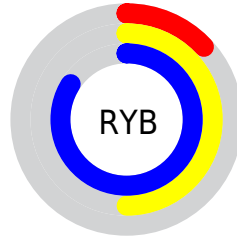
The XYZ color **35.4857, 52.7450, 64.8104** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **28.7790, 15.6312, 3.9847**, and the grayscale version is **32.8614, 34.5728, 37.6497**.

A 20% lighter version of the original color is **61.0125, 82.4530, 107.3071**, and **17.6517, 26.6236, 32.6423** is the 20% darker color. If you saturate the color by 10%, you get **34.8321, 52.4272, 63.9706**, and if you desaturate by 10%, it is **36.5821, 53.2933, 65.6802**.

Distribution



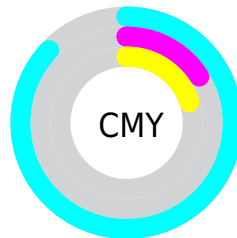
- Red (13%)
- Green (84%)
- Blue (80%)



- Red (13%)
- Yellow (50%)
- Blue (84%)



- Cyan (84%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)





- Cyan (87%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.4857, 52.7450, 64.8104 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 35.4857, 52.7450, 64.8104 by changing the saturation by 10% instead.


 35.4857, 52.7450,
64.8104


 35.4857, 52.7450,
64.8104


318.1776,
397.3060, 460.3979


 24.2055, 37.5992,
46.8570


 67.5666, 94.2290,
113.3879

 15.6117, 25.6718,
32.5691


 89.0980, 121.3361,
144.8491

 9.3389, 16.5783,
21.5281


 114.7772,
153.1991, 181.6499

 5.0218, 9.9343,
13.3156

 144.9696,
190.2023, 224.2089

 2.2949, 5.3554,
7.5130

 180.0404,
232.7302, 272.9447

 0.7921, 2.4573,
3.7016

220.3552,

 0.0000, 0.8551,

281.1672, 328.2757

1.4631

266.2791,
335.8977, 390.6206

■ 0.0000, 0.0000,
0.1902

■ 0.0000, 0.0000,
0.0000

■ 35.4857, 52.7450,
64.8104

■ 35.4857, 52.7450,
64.8104

■ 34.8321, 52.4272,
63.9706

■ 36.5821, 53.2933,
65.6802

■ 34.5809, 52.3082,
63.4843

■ 38.1873, 54.1026,
66.5795

■ 40.3612, 55.2049,
67.5123

■ 43.1541, 56.6261,
68.4810

■ 46.6107, 58.3894,
69.4876

■ 50.7717, 60.5156,
70.5342

■ 55.6746, 63.0241,
71.6225

■ 61.3540, 65.9328,
72.7541

■ 67.8425, 69.2584,
73.9306

Harmonies

Analogous

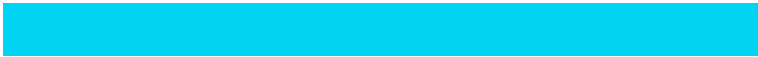
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.2498, 52.7450, 41.8135



35.4857, 52.7450, 64.8104



38.2795, 52.7450, 92.3602

Triad

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



35.4857, 52.7450, 64.8104



61.1810, 52.7450, 103.0044



56.4171, 52.7450, 23.6414

Complementary

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



35.4857, 52.7450, 64.8104



28.7790, 15.6312, 3.9847

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.



64.2100, 52.7450, 32.6478



35.4857, 52.7450, 64.8104



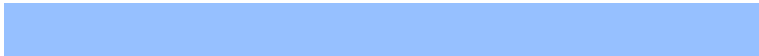
67.1720, 52.7450, 76.5193

Square

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



35.4857, 52.7450, 64.8104



52.6472, 52.7450, 118.1921



68.3397, 52.7450, 50.6329



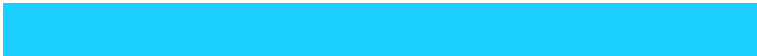
47.6992, 52.7450, 22.1595

Rectangle

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



35.4857, 52.7450, 64.8104



41.9949, 52.7450, 108.1224



68.3397, 52.7450, 50.6329



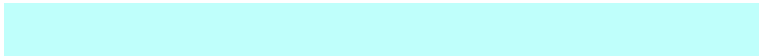
59.2589, 52.7450, 25.7330

Sweetspot

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



35.4873, 52.7470, 64.8117



74.7377, 89.6004, 104.7077



25.4637, 48.7915, 9.5902



15.5100, 18.9293, 22.2926



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.



35.4873, 52.7470, 64.8117



51.4011, 77.7764, 94.2850



21.6036, 22.8063, 66.8839



12.7579, 14.0942, 15.8054



20.9154, 31.6215, 38.4458



1.2717, 1.9113, 2.3724

Inverse Universe

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



28.7790, 15.6312, 3.9847



41.3305, 21.2962, 2.4064



33.8168, 26.0028, 4.7513



12.4537, 12.4330, 13.0636



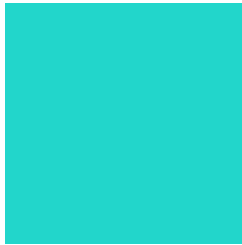
16.8192, 8.6640, 1.0858



1.0255, 0.5270, 0.1238

Previews

White Background



This preview shows how the XYZ color 35.4857, 52.7450, 64.8104 looks on a white background.

Color Contrast Check

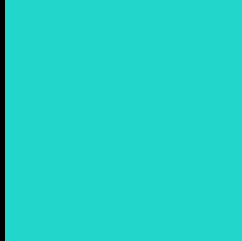
Large Text (above 18pt) WCAG AA × Fail

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 35.4857, 52.7450, 64.8104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

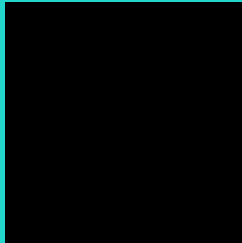
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

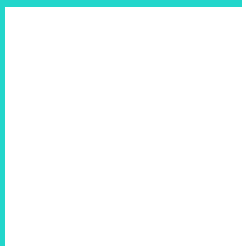
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.4857, 52.7450, 64.8104

Background



This preview shows how black text looks on a background with the XYZ color 35.4857, 52.7450, 64.8104.

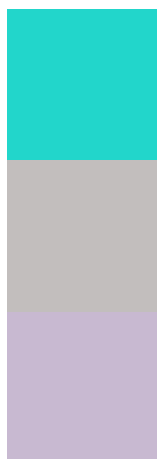


This preview shows how white text looks on a background with the XYZ color 35.4857, 52.7450,

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

35.4857, 52.7450, 64.8104

Protanopia

49.8469, 51.9704, 55.5482

Deuteranopia

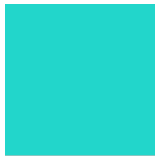
52.6770, 51.5807, 67.5013



Tritanopia

38.5991, 52.5091, 80.7739

Trichromacy



Original Color

35.4857, 52.7450, 64.8104



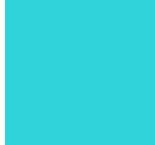
Protanomaly

40.3144, 49.9761, 58.5605



Deuteranomaly

41.8176, 49.5603, 66.3936



Tritanomaly

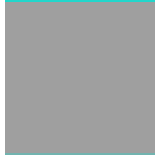
37.2158, 52.3035, 74.4638

Monochromacy



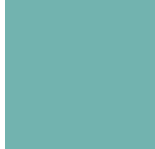
Original Color

35.4857, 52.7450, 64.8104



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

30.7974, 38.9128, 46.4452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4857, 52.7450, 64.8104 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(34, 214, 203)` looks like.

```
.text, #text, p{  
    color:rgb(34, 214, 203)  
}
```

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(34, 214, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 214, 203) }
```

Border

The CSS property to change the border of an element to XYZ 35.4857, 52.7450, 64.8104 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(34, 214, 203) }
```


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

```
.border{ border-color:rgb(34, 214, 203) }
```

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

Here you see how a box with a 4 pixel rgb(34, 214, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 214, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 214, 203);  
box-shadow:4px 4px 4px 4px rgb(34, 214,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4857, 52.7450, 64.8104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 214, 203) }
```

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

```
.background{ background-color: rgb(34, 214,  
203) }
```

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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