

# Converting Colors

XYZ(34.6261, 52.1401, 59.7073)

Have a look what the booklet for  
XYZ(34.6261, 52.1401, 59.7073)  
contains.

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# Color

**XYZ(34.5994, 52.0209,  
59.8472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AD5C3
RGB	42, 213, 195
RGB Percent	16%, 84%, 76%
CMY	0.8352, 0.1647, 0.2353
CMYK	0.80, 0.00, 0.08, 0.16
HSL	174°, 67%, 50%
HSV	174°, 80%, 84%
XYZ	34.5994, 52.0209, 59.8472
YIQ	159.8190, -96.1380, -41.8500

# Conversions

## Conversions Part 2

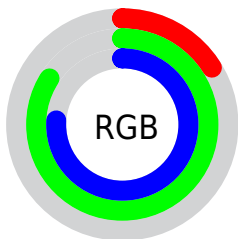
Format	Color
<a href="#">RYB</a>	<a href="#">42, 132, 213</a>
Decimal	<a href="#">2807235</a>
CIELab	<a href="#">77.29, -45.12, -2.98</a>
CIELCh	<a href="#">77, 45.215, 183.777</a>
Yxy	<a href="#">52.0209, 0.2362, 0.3552</a>
Android (android.graphics.Color)	<a href="#">4280997315</a> ( <a href="#">0xFF2AD5C3</a> )
YUV	<a href="#">159.8190, 17.3442, -103.3273</a>
Hunter-Lab	<a href="#">72.1255, -40.5912, 1.2911</a>

# Details

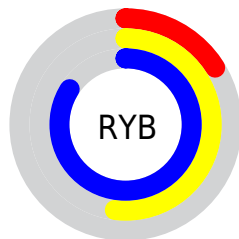
The XYZ color **34.5994, 52.0209, 59.8472** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **29.0859, 16.1298, 5.8572**, and the grayscale version is **33.2869, 35.0204, 38.1372**.

A 20% lighter version of the original color is **60.7803, 82.4070, 103.9695**, and **16.8647, 26.0370, 29.3361** is the 20% darker color. If you saturate the color by 10%, you get **33.6970, 51.5860, 58.4924**, and if you desaturate by 10%, it is **35.9710, 52.6997, 61.2462**.

# Distribution



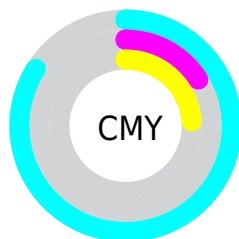
- Red (16%)
- Green (84%)
- Blue (76%)



- Red (16%)
- Yellow (52%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (8%)
- Black (16%)




- Cyan (84%)
- Magenta (16%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5994, 52.0209, 59.8472 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 34.5994, 52.0209, 59.8472 by changing the saturation by 10% instead.





 34.5994, 52.0209,  
59.8472


 34.5994, 52.0209,  
59.8472


314.3356,  
394.5173, 441.8233


 23.5195, 37.0217,  
42.8710


 66.2028, 93.1621,  
106.1492


 15.1004, 25.2243,  
29.4533


 87.4571, 120.0728,  
136.3120

 8.9766, 16.2443,  
19.1754


 112.8335,  
151.7230, 171.7075

 4.7829, 9.6972,  
11.6190

 142.6975,  
188.4968, 212.7542

 2.1539, 5.1986,  
6.3655

 177.4143,  
230.7788, 259.8705

 0.7183, 2.3643,  
2.9962

217.3494,

 0.0000, 0.8074,

278.9532, 313.4752

1.0927

262.8680,  
333.4046, 373.9866

■ 0.0000, 0.0000,  
0.0000

■ 34.5994, 52.0209,  
59.8472

■ 34.5994, 52.0209,  
59.8472

■ 33.6970, 51.5860,  
58.4924

■ 35.9710, 52.6997,  
61.2462

■ 33.1527, 51.3333,  
57.2084

■ 37.8717, 53.6495,  
62.6888

■ 40.3572, 54.9004,  
64.1788

■ 43.4749, 56.4768,  
65.7185

■ 47.2675, 58.4007,  
67.3101

■ 51.7738, 60.6920,  
68.9553

■ 57.0297, 63.3694,  
70.6560

■ 63.0688, 66.4500,  
72.4138

■ 69.9225, 69.9501,  
74.2303

# Harmonies

## Analogous

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



35.9408, 52.0209, 38.0489



34.5994, 52.0209, 59.8472



36.8363, 52.0209, 87.5645

# Triad

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



34.5994, 52.0209, 59.8472



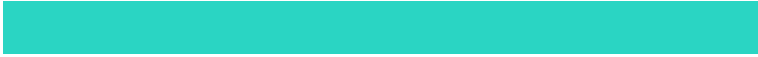
59.3087, 52.0209, 106.3445



57.1861, 52.0209, 23.6891

# Complementary

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



34.5994, 52.0209, 59.8472



29.0859, 16.1298, 5.8572

# 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.



64.6436, 52.0209, 34.0198



34.5994, 52.0209, 59.8472



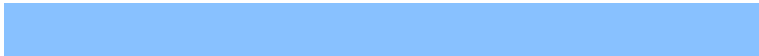
65.9662, 52.0209, 80.4780

# Square

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



34.5994, 52.0209, 59.8472



50.5512, 52.0209, 118.9227



68.0236, 52.0209, 53.5532



48.3537, 52.0209, 21.0985

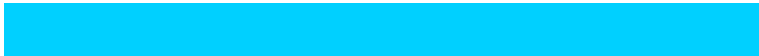


# Rectangle

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



34.5994, 52.0209, 59.8472



40.2289, 52.0209, 104.5748



68.0236, 52.0209, 53.5532



59.9694, 52.0209, 26.1857

# Sweetspot

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



34.6009, 52.0229, 59.8484



74.9867, 89.7748, 102.6367



26.1974, 48.7803, 10.2264



15.5351, 18.9536, 21.7785



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.



34.6009, 52.0229, 59.8484



50.0624, 77.2557, 86.5688



23.4708, 26.3064, 66.7936



12.7332, 14.0843, 15.6756



20.2731, 31.3646, 35.0632



1.2393, 1.8984, 2.2020



# Inverse Universe

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



29.0859, 16.1298, 5.8572



41.6687, 21.6086, 3.6415



33.1758, 24.9461, 5.2581



12.4759, 12.4418, 13.1802



16.8710, 8.6847, 1.3588

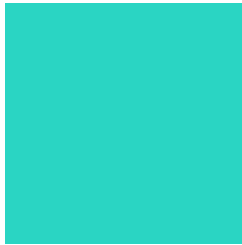


1.0360, 0.5312, 0.1790



# Previews

## White Background



This preview shows how the XYZ color 34.5994, 52.0209, 59.8472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

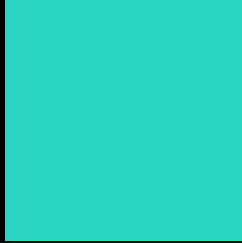
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.5994, 52.0209, 59.8472 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

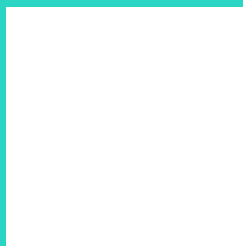
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.5994, 52.0209, 59.8472**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5994, 52.0209, 59.8472.



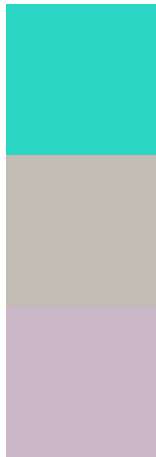
This preview shows how white text looks on a background with the XYZ color 34.5994, 52.0209,



# 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

34.5994, 52.0209, 59.8472

### Protanopia

48.8294, 50.9047, 50.9681

### Deuteranopia

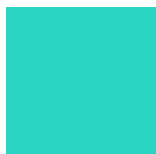
52.0402, 51.0546, 62.3700



## Tritanopia

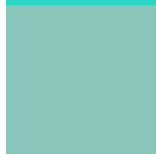
38.5710, 52.1610, 79.2693

# Trichromacy



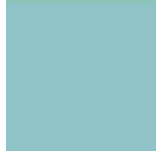
## Original Color

34.5994, 52.0209, 59.8472



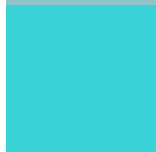
## Protanomaly

39.4766, 48.9666, 53.8252



## Deuteranomaly

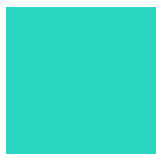
41.3255, 49.0830, 61.3287



## Tritanomaly

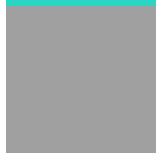
36.8715, 51.8181, 71.6769

# Monochromacy



## Original Color

34.5994, 52.0209, 59.8472



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

30.9990, 39.0392, 45.4367

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5994, 52.0209, 59.8472 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(42, 213, 195)` looks like.

```
.text, #text, p{  
    color:rgb(42, 213, 195)  
}
```

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(42, 213, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 213, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5994, 52.0209, 59.8472 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(42, 213, 195) }
```



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

```
.border{ border-color:rgb(42, 213, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 213, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 213, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 213, 195);  
box-shadow:4px 4px 4px 4px rgb(42, 213,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5994, 52.0209, 59.8472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 213, 195) }
```

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

```
.background{ background-color: rgb(42, 213,  
195) }
```

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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