

Converting Colors

XYZ(39.5472, 59.0420, 69.0736)

Have a look what the booklet for
XYZ(39.5472, 59.0420, 69.0736)
contains.

XYZ(39.5293, 59.0329, 68.9856)	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(39.5293, 59.0329,
68.9856)**

Conversions

Conversions Part 1

Format	Color
Hex	30E1D0
RGB	48, 225, 208
RGB Percent	19%, 88%, 82%
CMY	0.8117, 0.1176, 0.1843
CMYK	0.79, 0.00, 0.08, 0.12
HSL	174°, 75%, 54%
HSV	174°, 79%, 88%
XYZ	39.5293, 59.0329, 68.9856
YIQ	170.1390, -100.0350, -42.8110

Conversions

Conversions Part 2

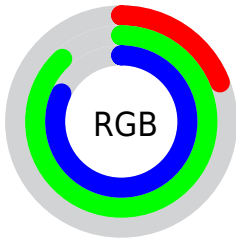
Format	Color
RYB	48, 141, 225
Decimal	3203536
CIELab	81.31, -46.22, -4.00
CIElCh	81, 46.392, 184.947
Yxy	59.0329, 0.2359, 0.3523
Android (android.graphics.Color)	4281393616 (0xFF30E1D0)
YUV	170.1390, 18.6655, -107.1159
Hunter-Lab	76.8329, -42.6221, 0.5486

Details

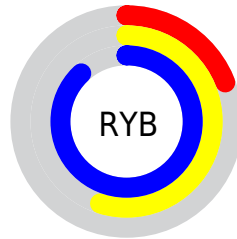
The XYZ color **39.5293, 59.0329, 68.9856** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **33.0644, 18.5048, 6.8322**, and the grayscale version is **38.2259, 40.2166, 43.7959**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **20.0207, 30.7090, 35.4441** is the 20% darker color. If you saturate the color by 10%, you get **38.4610, 58.5140, 67.5581**, and if you desaturate by 10%, it is **41.1423, 59.8348, 70.4602**.

Distribution



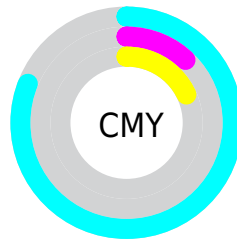
- Red (19%)
- Green (88%)
- Blue (82%)



- Red (19%)
- Yellow (55%)
- Blue (88%)



- Cyan (79%)
- Magenta (0%)
- Yellow (8%)
- Black (12%)





- Cyan (81%)
- Magenta (12%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5293, 59.0329, 68.9856 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 39.5293, 59.0329, 68.9856 by changing the saturation by 10% instead.


 39.5293, 59.0329,
68.9856


 39.5293, 59.0329,
68.9856


335.3042,
421.0238, 475.6727


 27.3543, 42.6396,
50.2283

 73.7351, 103.4255,
119.4285


 17.9775, 29.6024,
35.2224


 96.4967, 132.1936,
151.9512


 11.0334, 19.5370,
23.5493


 123.5178,
165.8553, 189.8995

 6.1568, 12.0590,
14.7905

 155.1638,
204.7952, 233.6918

 2.9822, 6.7838,
8.5275

 191.8001,
249.3976, 283.7467

 1.1444, 3.3273,
4.3417

233.7920,

 0.0617, 1.3049,

300.0469, 340.4828

1.8146

281.5049,
357.1275, 404.3187

■ 0.0000, 0.1450,
0.4376

■ 0.0000, 0.0000,
0.0000

■ 39.5293, 59.0329,
68.9856

■ 39.5293, 59.0329,
68.9856

■ 38.4610, 58.5140,
67.5581

■ 41.1423, 59.8348,
70.4602


■ 37.8245, 58.2160,
66.1683


■ 43.3663, 60.9500,
71.9810


■ 37.7522, 58.1827,
65.9843


■ 46.2638, 62.4119,
73.5525


■ 49.8881, 64.2482,
75.1771

 54.2873, 66.4834,
76.8571

 59.5051, 69.1402,
78.5948

 65.5822, 72.2396,
80.3920

 72.5564, 75.8010,
82.2507

 80.4633, 79.8428,
84.1725

Harmonies

Analogous

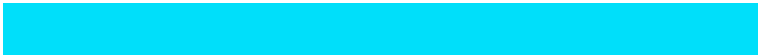
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.8762, 59.0329, 44.2387



39.5293, 59.0329, 68.9856



42.1900, 59.0329, 99.9131

Triad

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



39.5293, 59.0329, 68.9856



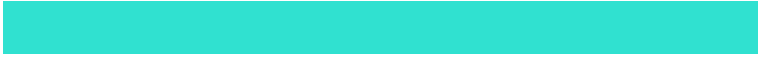
67.4637, 59.0329, 118.6368



64.3678, 59.0329, 27.0627

Complementary

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



39.5293, 59.0329, 68.9856



33.0644, 18.5048, 6.8322

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.



72.7951, 59.0329, 38.3161



39.5293, 59.0329, 68.9856



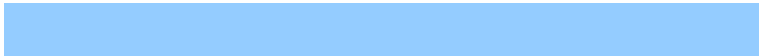
74.7218, 59.0329, 89.6023

Square

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



39.5293, 59.0329, 68.9856



57.7300, 59.0329, 133.3765



76.7766, 59.0329, 59.7873



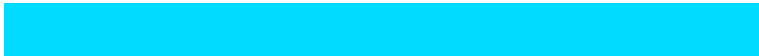
54.5187, 59.0329, 24.4455

Rectangle

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



39.5293, 59.0329, 68.9856



46.0810, 59.0329, 118.5521



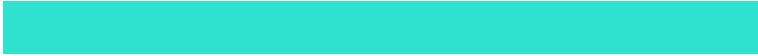
76.7766, 59.0329, 59.7873



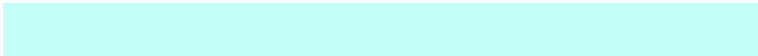
67.4955, 59.0329, 29.7625

Sweetspot

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



39.5310, 59.0351, 68.9870



75.0746, 89.8100, 103.0998



29.6873, 55.2141, 11.8903



15.5566, 18.9622, 21.8918



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.



39.5310, 59.0351, 68.9870



50.5238, 77.4488, 88.6111



26.4004, 29.2447, 75.4900



14.0568, 15.5485, 17.3345



21.7777, 33.5359, 38.1481



1.5262, 2.3312, 2.7323

Inverse Universe

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



33.0644, 18.5048, 6.8322



41.7702, 21.7522, 3.8585



38.1602, 29.3698, 6.4553



13.7605, 13.7218, 14.5087



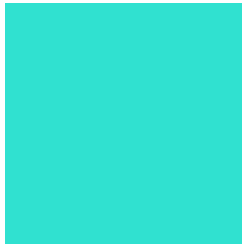
17.9936, 9.2644, 1.3661



1.2658, 0.6496, 0.1923

Previews

White Background



This preview shows how the XYZ color 39.5293, 59.0329, 68.9856 looks on a white background.

Color Contrast Check

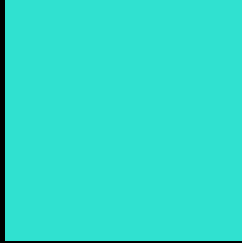
Large Text (above 18pt) WCAG AA × Fail

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 39.5293, 59.0329, 68.9856 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

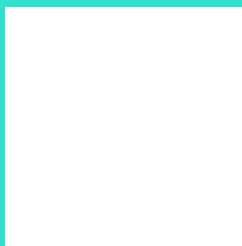
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 39.5293, 59.0329, 68.9856

Background



This preview shows how black text looks on a background with the XYZ color 39.5293, 59.0329, 68.9856.

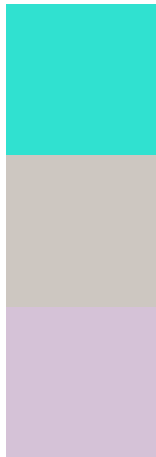


This preview shows how white text looks on a background with the XYZ color 39.5293, 59.0329,

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

39.5293, 59.0329, 68.9856

Protanopia

55.2259, 57.6762, 58.6740

Deuteranopia

58.9981, 57.6360, 72.3053



Tritanopia

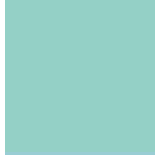
43.8149, 59.1880, 90.0041

Trichromacy



Original Color

39.5293, 59.0329, 68.9856



Protanomaly

44.9617, 55.4849, 61.7660



Deuteranomaly

46.8519, 55.1884, 70.4704



Tritanomaly

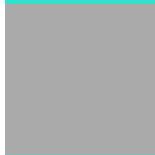
41.9730, 58.8127, 81.8128

Monochromacy



Original Color

39.5293, 59.0329, 68.9856



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

35.6694, 44.7232, 52.0999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.5293, 59.0329, 68.9856 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(48, 225, 208)` looks like.

```
.text, #text, p{  
    color:rgb(48, 225, 208)  
}
```

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(48, 225, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 225, 208) }
```

Border

The CSS property to change the border of an element to XYZ 39.5293, 59.0329, 68.9856 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(48, 225, 208) }
```


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

```
.border{ border-color:rgb(48, 225, 208) }
```

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

Here you see how a box with a 4 pixel rgb(48, 225, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 225, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 225, 208);  
box-shadow:4px 4px 4px 4px rgb(48, 225,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 39.5293, 59.0329, 68.9856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 225, 208) }
```

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

```
.background{ background-color: rgb(48, 225,  
208) }
```

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