

# Converting Colors

XYZ(39.4812, 52.3023, 86.5661)

Have a look what the booklet for  
XYZ(39.4812, 52.3023, 86.5661)  
contains.

<b>XYZ(39.5995, 52.5289, 86.6492)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(39.5995, 52.5289,  
86.6492)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3BD1EB
RGB	59, 209, 235
RGB Percent	23%, 82%, 92%
CMY	0.7686, 0.1804, 0.0784
CMYK	0.75, 0.11, 0.00, 0.08
HSL	189°, 81%, 58%
HSV	189°, 75%, 92%
XYZ	39.5995, 52.5289, 86.6492
YIQ	167.1140, -97.7460, -23.7140

# Conversions

## Conversions Part 2

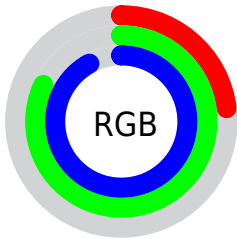
Format	Color
<a href="#">RYB</a>	<a href="#">59, 140, 235</a>
Decimal	<a href="#">3920363</a>
CIELab	<a href="#">77.60, -29.99, -23.97</a>
CIELCh	<a href="#">78, 38.391, 218.628</a>
Yxy	<a href="#">52.5289, 0.2215, 0.2938</a>
Android (android.graphics.Color)	<a href="#">4282110443</a> ( <a href="#">0xFF3BD1EB</a> )
YUV	<a href="#">167.1140, 33.4678, -94.8160</a>
Hunter-Lab	<a href="#">72.4768, -29.3066, -20.1500</a>

# Details

The XYZ color **39.5995, 52.5289, 86.6492** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **38.3006, 24.4771, 6.8454**, and the grayscale version is **36.6648, 38.5743, 42.0074**.

A 20% lighter version of the original color is **63.1701, 83.5653, 107.4080**, and **19.6923, 26.3659, 46.6991** is the 20% darker color. If you saturate the color by 10%, you get **37.6649, 50.2819, 86.3184**, and if you desaturate by 10%, it is **42.1824, 55.1398, 87.0180**.

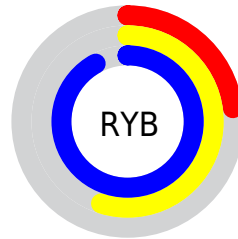
# Distribution



Red (23%)

Green (82%)

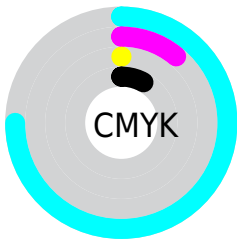
Blue (92%)



Red (23%)

Yellow (55%)

Blue (92%)

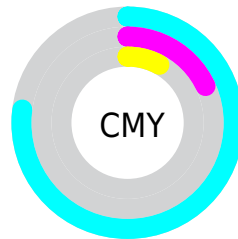


Cyan (75%)

Magenta (11%)

Yellow (0%)

Black (8%)



Cyan (77%)

Magenta (18%)

Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.5995, 52.5289, 86.6492 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 39.5995, 52.5289, 86.6492 by changing the saturation by 10% instead.



39.5995, 52.5289,  
86.6492

39.5995, 52.5289,  
86.6492

335.5961,  
396.4751, 537.3557

27.4092, 37.4268,  
64.6470

73.8415, 93.9108,  
144.5696

18.0190, 25.5381,  
46.7254

96.6239, 120.9594,  
181.3249

11.0634, 16.4784,  
32.4658

123.6678,  
152.7590, 223.8350

6.1771, 9.8633,  
21.4498

155.3384,  
189.6939, 272.5183

2.9947, 5.3084,  
13.2587

192.0012,  
232.1486, 327.7936

1.1510, 2.4293,  
7.4741

234.0215,

0.0671, 0.8409,

280.5074, 390.0792

3.6774

281.7647,  
335.1548, 459.7937

■ 0.0000, 0.0000,  
1.4501

■ 0.0000, 0.0000,  
0.1803

■ 39.5995, 52.5289,  
86.6492

■ 39.5995, 52.5289,  
86.6492

■ 37.6649, 50.2819,  
86.3184

■ 42.1824, 55.1398,  
87.0180

■ 36.2819, 48.3456,  
86.0176

■ 45.4831, 58.1474,  
87.4246

■ 35.7159, 47.4389,  
85.8724

■ 49.5677, 61.5870,  
87.8732

■ 54.4932, 65.4882,  
88.3666

■ 60.3112, 69.8777,  
88.9072

■ 67.0690, 74.7801,  
89.4973

■ 74.8108, 80.2183,  
90.1389

■ 83.5778, 86.2137,  
90.8341

■ 87.4686, 89.7243,  
91.3066

# Harmonies

## Analogous

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



37.1194, 52.5289, 63.5398



39.5995, 52.5289, 86.6492



44.9109, 52.5289, 104.2516

# Triad

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



39.5995, 52.5289, 86.6492



64.4112, 52.5289, 73.3980



47.8193, 52.5289, 25.5851

# Complementary

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



39.5995, 52.5289, 86.6492



38.3006, 24.4771, 6.8454

# 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.



55.3036, 52.5289, 26.9815



39.5995, 52.5289, 86.6492



65.3865, 52.5289, 51.2874

# Square

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



39.5995, 52.5289, 86.6492



59.3639, 52.5289, 95.3785



61.9103, 52.5289, 35.3097



41.5475, 52.5289, 30.8651

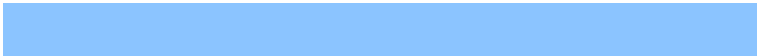


# Rectangle

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



39.5995, 52.5289, 86.6492



49.5866, 52.5289, 108.4787



61.9103, 52.5289, 35.3097



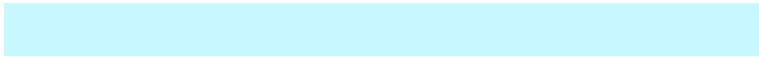
50.2693, 52.5289, 25.3226

# Sweetspot

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



39.6012, 52.5308, 86.6505



74.7496, 85.6942, 107.2087



33.0544, 60.9641, 18.1035



15.5493, 18.0112, 22.9069



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

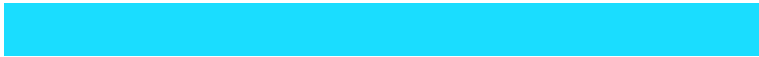


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.6012, 52.5308, 86.6505



44.3453, 59.1969, 103.6967



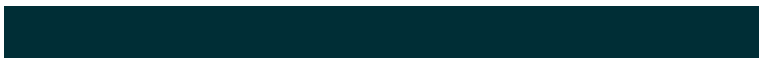
23.9504, 21.2293, 81.4336



15.3170, 16.7205, 19.3423



19.9514, 26.5499, 47.8161



1.6183, 2.1881, 3.7719



# Inverse Universe

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



47.3350, 25.3953, 62.7304



54.6624, 27.2024, 70.8436



49.5146, 46.9052, 10.5834



15.6136, 15.2733, 18.5164



24.9259, 12.1730, 31.7406

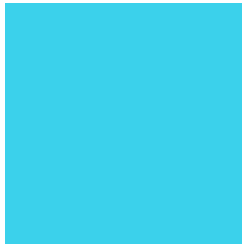


1.9833, 0.9663, 2.6296



# Previews

## White Background



This preview shows how the XYZ color 39.5995, 52.5289, 86.6492 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

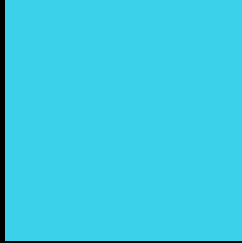
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.5995, 52.5289, 86.6492 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

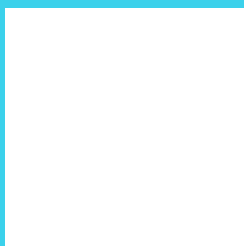
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.5995, 52.5289, 86.6492**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.5995, 52.5289, 86.6492.



This preview shows how white text looks on a background with the XYZ color 39.5995, 52.5289,



# 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

39.5995, 52.5289, 86.6492

### Protanopia

51.0159, 51.8060, 75.7173

### Deuteranopia

53.0269, 51.8992, 89.6608



## Tritanopia

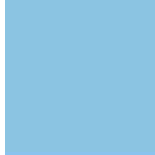
38.3799, 52.3961, 80.7637

# Trichromacy



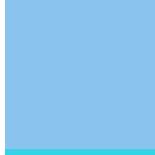
## Original Color

39.5995, 52.5289, 86.6492



## Protanomaly

44.1149, 50.4598, 79.3661



## Deuteranomaly

45.4290, 50.6065, 88.2626



## Tritanomaly

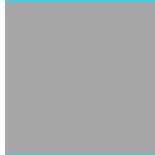
38.9051, 52.6186, 82.9688

# Monochromacy



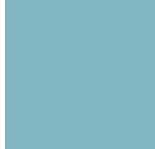
## Original Color

39.5995, 52.5289, 86.6492



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

35.1445, 41.8509, 56.0949

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.5995, 52.5289, 86.6492 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(59, 209, 235)` looks like.

```
.text, #text, p{  
    color:rgb(59, 209, 235)  
}
```

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(59, 209, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 209, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 39.5995, 52.5289, 86.6492 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(59, 209, 235) }
```



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

```
.border{ border-color:rgb(59, 209, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 209, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 209, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 209, 235);  
box-shadow:4px 4px 4px 4px rgb(59, 209,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.5995, 52.5289, 86.6492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 209, 235) }
```

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

```
.background{ background-color: rgb(59, 209,  
235) }
```

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