

# Converting Colors

XYZ(34.1028, 49.1310, 62.6967)

Have a look what the booklet for  
XYZ(34.1028, 49.1310, 62.6967)  
contains.

<b>XYZ(34.1352, 49.1439, 62.9450)</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(34.1352, 49.1439,  
62.9450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	36CEC9
RGB	54, 206, 201
RGB Percent	21%, 81%, 79%
CMY	0.7882, 0.1921, 0.2118
CMYK	0.74, 0.00, 0.02, 0.19
HSL	178°, 61%, 51%
HSV	178°, 74%, 81%
XYZ	34.1352, 49.1439, 62.9450
YIQ	159.9820, -88.9870, -33.7790

# Conversions

## Conversions Part 2

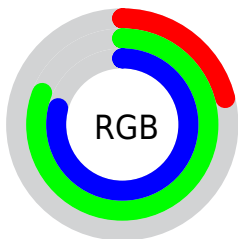
Format	Color
R <sub>YB</sub>	54, 131, 206
Decimal	3591881
CIE Lab	75.54, -39.17, -8.78
CIE LCh	76, 40.138, 192.635
Yxy	49.1439, 0.2334, 0.3361
Android (android.graphics.Color)	4281781961 (0xFF36CEC9)
YUV	159.9820, 20.2219, -92.9462
Hunter-Lab	70.1027, -35.7625, -4.1644

# Details

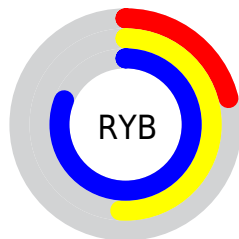
The XYZ color **34.1352, 49.1439, 62.9450** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.5638, 16.0773, 5.7896**, and the grayscale version is **33.3463, 35.0829, 38.2053**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **16.3331, 24.2398, 31.4217** is the 20% darker color. If you saturate the color by 10%, you get **33.1756, 48.6595, 62.4858**, and if you desaturate by 10%, it is **35.5660, 49.8734, 63.4303**.

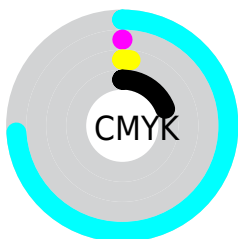
# Distribution



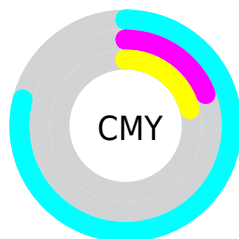
- Red (21%)
- Green (81%)
- Blue (79%)



- Red (21%)
- Yellow (51%)
- Blue (81%)



- Cyan (74%)
- Magenta (0%)
- Yellow (2%)
- Black (19%)




- Cyan (79%)
- Magenta (19%)
- Yellow (21%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.1352, 49.1439, 62.9450 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 34.1352, 49.1439, 62.9450 by changing the saturation by 10% instead.





 34.1352, 49.1439,  
62.9450


 34.1352, 49.1439,  
62.9450


312.3098,  
383.3085, 453.4723


 23.1609, 34.7336,  
45.3560


 65.4868, 88.9051,  
110.6750


 14.8337, 23.4578,  
31.3929


 86.5947, 115.0249,  
141.6530


 8.7883, 14.9319,  
20.6373


 111.8112,  
145.8166, 177.9312

 4.6594, 8.7716,  
12.6705

 141.5016,  
181.6647, 219.9280

 2.0815, 4.5925,  
7.0740

 176.0314,  
222.9536, 268.0619

 0.6791, 2.0102,  
3.4293

215.7657,

 0.0000, 0.6134,

270.0676, 322.7516

1.3178

261.0701,  
323.3911, 384.4156

■ 0.0000, 0.0000,  
0.0763

■ 0.0000, 0.0000,  
0.0000

■ 34.1352, 49.1439,  
62.9450

■ 34.1352, 49.1439,  
62.9450

■ 33.1756, 48.6595,  
62.4858

■ 35.5660, 49.8734,  
63.4303


■ 32.6192, 48.3818,  
62.0462


■ 37.5162, 50.8695,  
63.9407


■ 32.4069, 48.2781,  
61.7800


■ 40.0330, 52.1576,  
64.4794


■ 43.1569, 53.7587,  
65.0483

 46.9248, 55.6917,  
65.6493

 51.3708, 57.9743,  
66.2838

 56.5264, 60.6226,  
66.9534

 62.4211, 63.6519,  
67.6594

 69.0830, 67.0766,  
68.4032

# Harmonies

## Analogous

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



34.3829, 49.1439, 42.2261



34.1352, 49.1439, 62.9450



36.9880, 49.1439, 86.1973

# Triad

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



34.1352, 49.1439, 62.9450



57.0454, 49.1439, 89.5134



51.0948, 49.1439, 23.2377

# Complementary

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



34.1352, 49.1439, 62.9450



27.5638, 16.0773, 5.7896

# 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.



58.0013, 49.1439, 30.3475



34.1352, 49.1439, 62.9450



61.6785, 49.1439, 66.6423

# Square

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



34.1352, 49.1439, 62.9450



49.8977, 49.1439, 104.0488



62.0458, 49.1439, 45.0672



43.6607, 49.1439, 22.7411



# Rectangle

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



34.1352, 49.1439, 62.9450



40.4590, 49.1439, 98.5706



62.0458, 49.1439, 45.0672



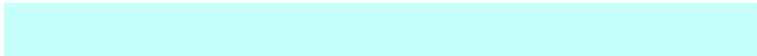
53.5734, 49.1439, 24.8254

# Sweetspot

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



34.1367, 49.1458, 62.9462



77.0408, 90.7501, 106.5132



24.5463, 45.3427, 10.9495



16.0985, 19.2234, 22.7394



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.



34.1367, 49.1458, 62.9462



53.1110, 78.5159, 100.7825



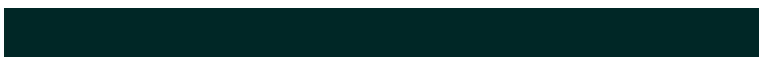
21.3369, 22.5891, 61.6301



11.5267, 12.7204, 14.3310



19.9619, 29.7301, 38.0799



1.0349, 1.5358, 1.9914



# Inverse Universe

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



27.5638, 16.0773, 5.7896



41.9676, 22.2173, 3.7072



33.4465, 28.0407, 7.1407



11.2270, 11.2195, 11.7302



15.7034, 8.0920, 0.8909

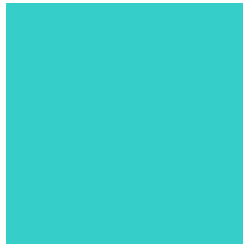


0.8155, 0.4196, 0.0742



# Previews

## White Background



This preview shows how the XYZ color 34.1352, 49.1439, 62.9450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

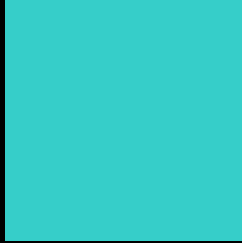
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 34.1352, 49.1439, 62.9450 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

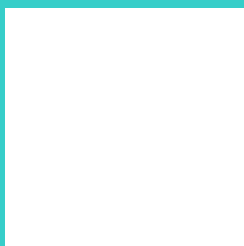
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.1352, 49.1439, 62.9450**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.1352, 49.1439, 62.9450.



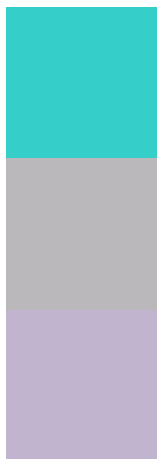
This preview shows how white text looks on a background with the XYZ color 34.1352, 49.1439,



# 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

34.1352, 49.1439, 62.9450

### Protanopia

46.7111, 48.4766, 54.4719

### Deuteranopia

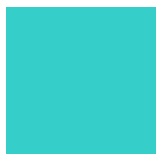
49.3220, 48.3540, 65.7652



## Tritanopia

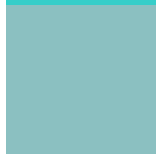
36.5210, 49.0374, 75.2505

# Trichromacy



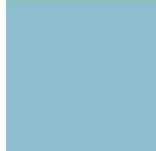
## Original Color

34.1352, 49.1439, 62.9450



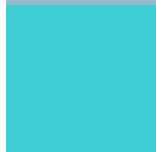
## Protanomaly

39.1227, 47.0385, 57.4694



## Deuteranomaly

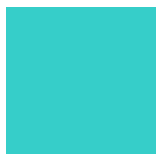
40.3724, 46.5538, 64.6155



## Tritanomaly

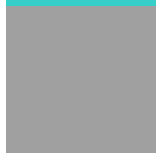
35.5897, 49.0140, 70.5357

# Monochromacy



## Original Color

34.1352, 49.1439, 62.9450



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

31.3452, 38.6044, 46.3568

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.1352, 49.1439, 62.9450 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(54, 206, 201)` looks like.

```
.text, #text, p{  
    color:rgb(54, 206, 201)  
}
```

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(54, 206, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 206, 201) }
```

## Border

The CSS property to change the border of an element to XYZ 34.1352, 49.1439, 62.9450 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(54, 206, 201) }
```



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

```
.border{ border-color:rgb(54, 206, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 206, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 206, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 206, 201);  
box-shadow:4px 4px 4px 4px rgb(54, 206,  
201) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.1352, 49.1439, 62.9450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 206, 201) }
```

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

```
.background{ background-color: rgb(54, 206,  
201) }
```

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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