

# Converting Colors

XYZ(53.7692, 68.8706, 85.9829)

Have a look what the booklet for  
XYZ(53.7692, 68.8706, 85.9829)  
contains.

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# Color

**XYZ(53.7616, 68.8860,  
86.0641)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AE8E7
RGB	138, 232, 231
RGB Percent	54%, 91%, 91%
CMY	0.4588, 0.0902, 0.0941
CMYK	0.41, 0.00, 0.00, 0.09
HSL	179°, 67%, 73%
HSV	179°, 41%, 91%
XYZ	53.7616, 68.8860, 86.0641
YIQ	203.7800, -55.7030, -20.2390

# Conversions

## Conversions Part 2

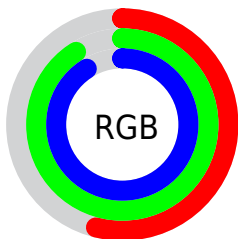
Format	Color
R <sub>Y</sub> B	138, 185, 232
Decimal	9103591
CIE Lab	86.45, -28.08, -8.29
CIE LCh	86, 29.276, 196.442
Yxy	68.8860, 0.2576, 0.3301
Android (android.graphics.Color)	4287293671 (0xFF8AE8E7)
YUV	203.7800, 13.4195, -57.6891
Hunter-Lab	82.9976, -29.6226, -3.3823

# Details

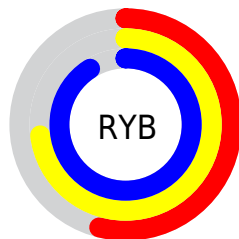
The XYZ color **53.7616, 68.8860, 86.0641** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0297, 37.1988, 29.1298**, and the grayscale version is **57.2005, 60.1793, 65.5353**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **26.5715, 35.8513, 46.0770** is the 20% darker color. If you saturate the color by 10%, you get **50.2912, 67.1027, 85.7209**, and if you desaturate by 10%, it is **58.0559, 71.0974, 86.4491**.

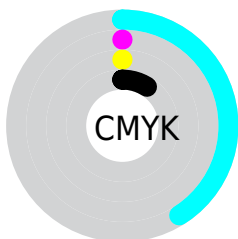
# Distribution



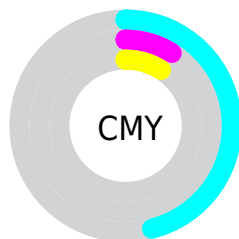
- Red (54%)
- Green (91%)
- Blue (91%)



- Red (54%)
- Yellow (73%)
- Blue (91%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)




- Cyan (46%)
- Magenta (9%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7616, 68.8860, 86.0641 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 53.7616, 68.8860, 86.0641 by changing the saturation by 10% instead.





 53.7616, 68.8860,  
86.0641


 53.7616, 68.8860,  
86.0641

391.4135,  
456.6288, 535.3787

 38.6410, 50.6189,  
64.1658


 94.8831, 117.6187,  
143.7463

 26.6600, 35.9054,  
46.3379

 121.6146,  
148.8531, 180.3672

 17.4533, 24.3611,  
32.1620


152.9473,  
185.1787, 222.7328

 10.6555, 15.6017,  
21.2194

189.2463,  
226.9800, 271.2615

 5.9013, 9.2428,  
13.0917

230.8771,  
274.6412, 326.3719

 2.8252, 4.8999,  
7.3602

278.2050,

 1.0620, 2.1886,

328.5468, 388.4825

3.6065

331.5953,  
389.0812, 458.0119

0.0000, 0.7138,  
1.4121

0.0000, 0.0000,  
0.1511

53.7616, 68.8860,  
86.0641

53.7616, 68.8860,  
86.0641

50.2912, 67.1027,  
85.7209

58.0559, 71.0974,  
86.4491

47.5860, 65.7121,  
85.4122

63.2160, 73.7535,  
86.8734

45.5892, 64.6867,  
85.1370

69.2884, 76.8799,  
87.3407

44.2335, 63.9918,  
84.8920

76.3142, 80.4978,  
87.8528

■ 43.4385, 63.5860,  
84.6736

■ 84.3323, 84.6272,  
88.4117

■ 43.0747, 63.4023,  
84.4849

■ 84.7324, 84.8294,  
88.6143

■ 84.7677, 84.8435,  
88.8000

■ 84.8030, 84.8576,  
88.9860

■ 84.8384, 84.8718,  
89.1723

# Harmonies

## Analogous

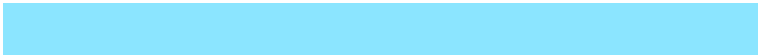
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.6130, 68.8860, 66.5973



53.7616, 68.8860, 86.0641



56.9042, 68.8860, 105.4080

# Triad

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



53.7616, 68.8860, 86.0641



75.3717, 68.8860, 103.7518



68.5746, 68.8860, 44.2774

# Complementary

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



53.7616, 68.8860, 86.0641



47.0297, 37.1988, 29.1298

# 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.



74.8639, 68.8860, 51.0946



53.7616, 68.8860, 86.0641



78.9669, 68.8860, 84.0925

# Square

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



53.7616, 68.8860, 86.0641



69.2295, 68.8860, 116.7626



78.7749, 68.8860, 64.9366



61.8570, 68.8860, 44.6201

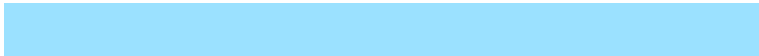


# Rectangle

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



53.7616, 68.8860, 86.0641



60.4060, 68.8860, 114.6488



78.7749, 68.8860, 64.9366



70.8180, 68.8860, 45.7495

# Sweetspot

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



53.7636, 68.8887, 86.0657



84.6221, 94.6303, 108.1380



44.1884, 65.0888, 34.2806



17.8920, 20.1412, 23.1293



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.



53.7636, 68.8887, 86.0657



62.8098, 83.4043, 106.2752



42.7273, 46.5887, 83.0875



14.8005, 16.3336, 18.4802



23.9157, 35.1984, 46.9179



1.7694, 2.6019, 3.4784



# Inverse Universe

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



47.0297, 37.1988, 29.1298



53.3520, 38.8877, 26.3030



54.8916, 53.0392, 31.3907



14.3832, 14.3705, 14.9525



18.4855, 9.5284, 0.9195

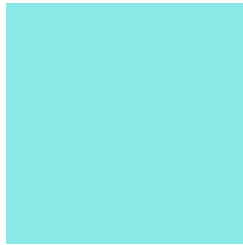


1.3682, 0.7050, 0.0796



# Previews

## White Background



This preview shows how the XYZ color 53.7616, 68.8860, 86.0641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

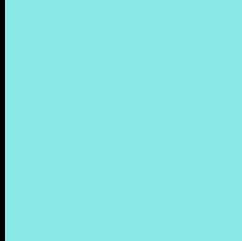
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7616, 68.8860, 86.0641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

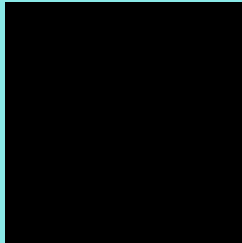
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 53.7616, 68.8860, 86.0641**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7616, 68.8860, 86.0641.



This preview shows how white text looks on a background with the XYZ color 53.7616, 68.8860,



# 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

53.7616, 68.8860, 86.0641

### Protanopia

65.5801, 68.0122, 77.3814

### Deuteranopia

69.6193, 67.9880, 88.8105



## **Tritanopia**

56.2903, 68.6556, 99.0920

# Trichromacy



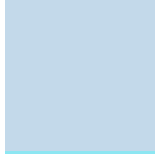
## Original Color

53.7616, 68.8860, 86.0641



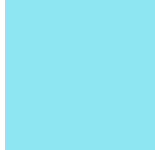
## Protanomaly

60.0500, 67.7861, 80.4401



## Deuteranomaly

62.1698, 67.1683, 87.5300



## Tritanomaly

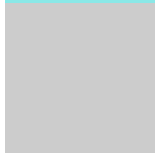
55.3083, 68.6672, 94.3434

# Monochromacy



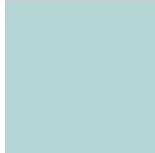
## Original Color

53.7616, 68.8860, 86.0641



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

55.0066, 62.6515, 72.8121

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7616, 68.8860, 86.0641 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(138, 232, 231)` looks like.

```
.text, #text, p{  
    color:rgb(138, 232, 231)  
}
```

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(138, 232, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 232, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7616, 68.8860, 86.0641 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(138, 232, 231) }
```



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

```
.border{ border-color:rgb(138, 232, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 232, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 232, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 232, 231);  
box-shadow:4px 4px 4px 4px rgb(138, 232,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7616, 68.8860, 86.0641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 232, 231) }
```

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

```
.background{ background-color: rgb(138,  
232, 231) }
```

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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