

Converting Colors

XYZ(52.8485, 67.6085, 84.8697)

Have a look what the booklet for
XYZ(52.8485, 67.6085, 84.8697)
contains.

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Color

**XYZ(52.8963, 67.6252,
85.1279)**

Conversions

Conversions Part 1

Format	Color
Hex	89E6E6
RGB	137, 230, 230
RGB Percent	54%, 90%, 90%
CMY	0.4627, 0.0980, 0.0980
CMYK	0.40, 0.00, 0.00, 0.10
HSL	180°, 65%, 72%
HSV	180°, 40%, 90%
XYZ	52.8963, 67.6252, 85.1279
YIQ	202.1930, -55.4280, -19.7160

Conversions

Conversions Part 2

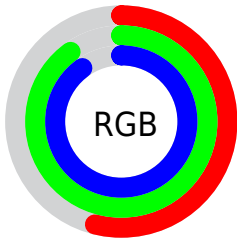
Format	Color
RYB	137, 184, 230
Decimal	9037542
CIELab	85.82, -27.60, -8.70
CIElCh	86, 28.937, 197.492
Yxy	67.6252, 0.2572, 0.3288
Android (android.graphics.Color)	4287227622 (0xFF89E6E6)
YUV	202.1930, 13.7089, -57.1743
Hunter-Lab	82.2345, -29.0926, -3.8119

Details

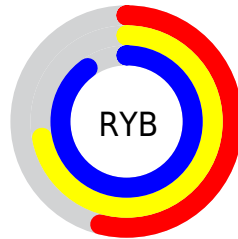
The XYZ color **52.8963, 67.6252, 85.1279** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.0965, 36.5225, 28.2895**, and the grayscale version is **56.2031, 59.1300, 64.3926**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **26.0984, 35.0295, 45.9433** is the 20% darker color. If you saturate the color by 10%, you get **49.5209, 65.8868, 84.9710**, and if you desaturate by 10%, it is **57.0793, 69.7832, 85.3256**.

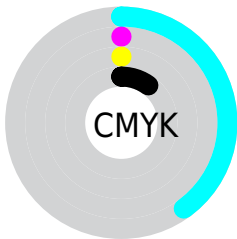
Distribution



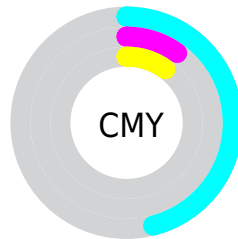
- Red (54%)
- Green (90%)
- Blue (90%)



- Red (54%)
- Yellow (72%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)





- Cyan (46%)
- Magenta (10%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.8963, 67.6252, 85.1279 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 52.8963, 67.6252, 85.1279 by changing the saturation by 10% instead.


 52.8963, 67.6252,
85.1279


 52.8963, 67.6252,
85.1279


388.1545,
452.1669, 532.2068

 37.9471, 49.5929,
63.3963


 93.6182, 115.8158,
142.4276

 26.1187, 35.0900,
45.7188


 120.1216,
146.7429, 178.8328

 17.0456, 23.7322,
31.6769


151.2072,
182.7370, 220.9663

 10.3625, 15.1351,
20.8521

187.2402,
224.1825, 269.2466

 5.7041, 8.9143,
12.8257

228.5862,
271.4639, 324.0922

 2.7049, 4.6853,
7.1793

275.6103,

 0.9997, 2.0638,

324.9655, 385.9218

3.4944

328.6779,
385.0717, 455.1538

■ 0.0000, 0.6442,
1.3523

■ 0.0000, 0.0000,
0.1041

■ 52.8963, 67.6252,
85.1279

■ 52.8963, 67.6252,
85.1279

■ 49.5209, 65.8868,
84.9710

■ 57.0793, 69.7832,
85.3256

■ 46.8956, 64.5334,
84.8476

■ 62.1109, 72.3771,
85.5615

■ 44.9649, 63.5381,
84.7568

■ 68.0365, 75.4318,
85.8393

■ 43.6630, 62.8669,
84.6954

■ 74.8964, 78.9682,
86.1608

■ 42.9116, 62.4796,
84.6598

■ 82.7287, 83.0059,
86.5278

■ 42.5806, 62.3089,
84.6439

■ 83.8216, 83.5693,
86.5794

■ 83.8217, 83.5694,
86.5799

■ 83.8218, 83.5694,
86.5803

■ 83.8219, 83.5694,
86.5808

Harmonies

Analogous

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



52.6454, 67.6252, 66.0247



52.8963, 67.6252, 85.1279



56.0621, 67.6252, 103.8682

Triad

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



52.8963, 67.6252, 85.1279



74.1111, 67.6252, 101.0774



67.0687, 67.6252, 43.4985

Complementary

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



52.8963, 67.6252, 85.1279



46.0965, 36.5225, 28.2895

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.



73.2548, 67.6252, 49.9199



52.8963, 67.6252, 85.1279



77.5040, 67.6252, 81.8031

Square

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



52.8963, 67.6252, 85.1279



68.1734, 67.6252, 114.1061



77.1802, 67.6252, 63.2213



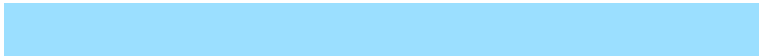
60.5295, 67.6252, 44.0780

Rectangle

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



52.8963, 67.6252, 85.1279



59.5305, 67.6252, 112.6528



77.1802, 67.6252, 63.2213



69.2666, 67.6252, 44.8567

Sweetspot

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



52.8983, 67.6279, 85.1295



84.6745, 94.6512, 108.4137



43.3868, 63.8528, 33.7066



17.9045, 20.1462, 23.1947



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.



52.8983, 67.6279, 85.1295



63.0230, 83.4896, 107.3983



41.9610, 45.7527, 81.4855



14.8075, 16.3364, 18.5170



24.1058, 35.2744, 47.9188



1.7813, 2.6067, 3.5411

Inverse Universe

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



46.0965, 36.5225, 28.2895



53.2621, 38.8517, 25.8298



53.8686, 52.0670, 30.8793



14.3771, 14.3680, 14.9201



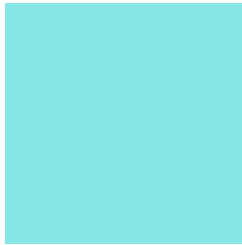
18.4751, 9.5242, 0.8648



1.3652, 0.7038, 0.0639

Previews

White Background



This preview shows how the XYZ color 52.8963, 67.6252, 85.1279 looks on a white background.

Color Contrast Check

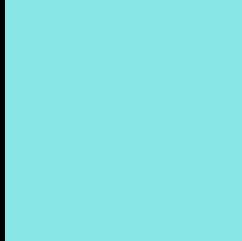
Large Text (above 18pt) WCAG AA × Fail

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 52.8963, 67.6252, 85.1279 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 52.8963, 67.6252, 85.1279

Background



This preview shows how black text looks on a background with the XYZ color 52.8963, 67.6252, 85.1279.

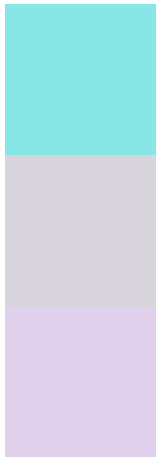


This preview shows how white text looks on a background with the XYZ color 52.8963, 67.6252,

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

52.8963, 67.6252, 85.1279

Protanopia

64.3540, 66.6485, 76.4905

Deuteranopia

68.2917, 66.9572, 87.9219



Tritanopia

55.3625, 67.8033, 97.3582

Trichromacy



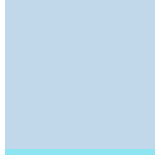
Original Color

52.8963, 67.6252, 85.1279



Protanomaly

59.1443, 66.5555, 79.5413



Deuteranomaly

61.0021, 66.2014, 86.6538



Tritanomaly

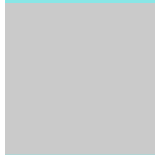
54.5627, 67.9053, 92.6694

Monochromacy



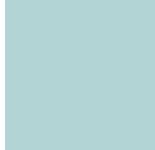
Original Color

52.8963, 67.6252, 85.1279



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

53.7872, 61.3054, 71.2856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.8963, 67.6252, 85.1279 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(137, 230, 230)` looks like.

```
.text, #text, p{  
    color:rgb(137, 230, 230)  
}
```

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(137, 230, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 230, 230) }
```

Border

The CSS property to change the border of an element to XYZ 52.8963, 67.6252, 85.1279 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(137, 230, 230) }
```


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

```
.border{ border-color:rgb(137, 230, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 230, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 230, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 230, 230);  
box-shadow:4px 4px 4px 4px rgb(137, 230,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 52.8963, 67.6252, 85.1279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 230, 230) }
```

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

```
.background{ background-color: rgb(137,  
230, 230) }
```

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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