

Converting Colors

XYZ(38.9539, 56.9766, 27.2848)

Have a look what the booklet for
XYZ(38.9539, 56.9766, 27.2848)
contains.

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Color

**XYZ(38.9008, 56.8663,
27.3384)**

Conversions

Conversions Part 1

Format	Color
Hex	89DA7A
RGB	137, 218, 122
RGB Percent	54%, 85%, 48%
CMY	0.4627, 0.1451, 0.5216
CMYK	0.37, 0.00, 0.44, 0.15
HSL	111°, 56%, 67%
HSV	111°, 44%, 85%
XYZ	38.9008, 56.8663, 27.3384
YIQ	182.8370, -17.4600, -47.0280

Conversions

Conversions Part 2

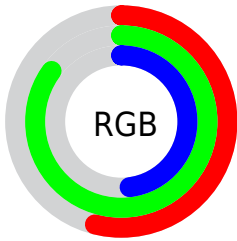
Format	Color
RYB	122, 218, 203
Decimal	9034362
CIELab	80.10, -43.01, 39.52
CIElCh	80, 58.414, 137.420
Yxy	56.8663, 0.3160, 0.4619
Android (android.graphics.Color)	4287224442 (0xFF89DA7A)
YUV	182.8370, -29.9926, -40.1990
Hunter-Lab	75.4097, -39.8862, 31.2923

Details

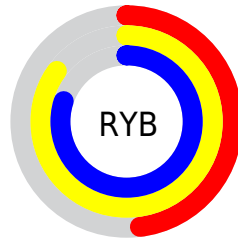
The XYZ color **38.9008, 56.8663, 27.3384** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **44.2457, 31.6793, 70.1154**, and the grayscale version is **45.0877, 47.4357, 51.6575**.

A 20% lighter version of the original color is **65.5888, 85.9920, 54.2155**, and **17.5373, 28.0894, 10.4587** is the 20% darker color. If you saturate the color by 10%, you get **34.9364, 54.9632, 20.8756**, and if you desaturate by 10%, it is **43.6851, 59.1604, 35.4234**.

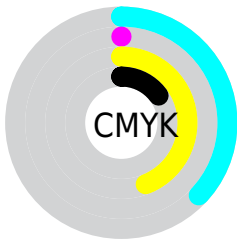
Distribution



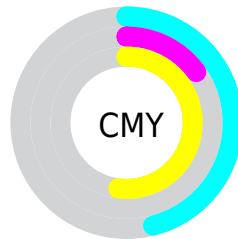
- Red (54%)
- Green (85%)
- Blue (48%)



- Red (48%)
- Yellow (85%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (44%)
- Black (15%)



- Cyan (46%)
- Magenta (15%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9008, 56.8663, 27.3384 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 38.9008, 56.8663, 27.3384 by changing the saturation by 10% instead.

■ 38.9008, 56.8663,
27.3384

■ 38.9008, 56.8663,
27.3384

332.6830,
412.9481, 303.1037

■ 26.8629, 40.8979,
17.5929

■ 72.7818, 100.2701,
56.4367

■ 17.6064, 28.2393,
10.4917

■ 95.3556, 128.4742,
76.6266

■ 10.7657, 18.5061,
5.6163

■ 122.1722,
161.5258, 101.1350

■ 5.9757, 11.3140,
2.5482

153.5968,
199.8091, 130.3805

■ 2.8708, 6.2784,
0.8655

189.9948,
243.7086, 164.7815

■ 1.0858, 3.0151,
0.0000

231.7316,

■ 0.0132, 1.1396,

293.6087, 204.7567

0.0000

279.1726,
349.8937, 250.7246

■ 0.0000, 0.0116,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 38.9008, 56.8663,
27.3384

■ 38.9008, 56.8663,
27.3384

■ 34.9364, 54.9632,
20.8756

■ 43.6851, 59.1604,
35.4234

■ 31.7411, 53.4223,
15.9221


■ 49.3280, 61.8583,
45.2261


■ 29.2649, 52.2222,
12.3564


■ 55.8705, 64.9809,
56.8387


■ 27.4499, 51.3360,
10.0367


■ 63.3501, 68.5455,
70.3461

 26.2286, 50.7327,
8.7908

 71.8018, 72.5686,
85.8278

 25.7341, 50.4861,
8.3885

 81.2591, 77.0658,
103.3584

 84.3625, 78.6251,
105.3375

Harmonies

Analogous

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



47.4892, 56.8663, 18.0968



38.9008, 56.8663, 27.3384



34.6638, 56.8663, 48.7225

Triad

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



38.9008, 56.8663, 27.3384



49.2211, 56.8663, 150.3430



78.9333, 56.8663, 44.3092

Complementary

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



38.9008, 56.8663, 27.3384



44.2457, 31.6793, 70.1154

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.



79.5784, 56.8663, 77.3030



38.9008, 56.8663, 27.3384



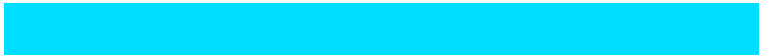
61.1882, 56.8663, 147.7717

Square

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



38.9008, 56.8663, 27.3384



40.0079, 56.8663, 123.7365



72.6951, 56.8663, 117.6345



71.0438, 56.8663, 25.1327

Rectangle

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



38.9008, 56.8663, 27.3384



34.3986, 56.8663, 70.7659



72.6951, 56.8663, 117.6345



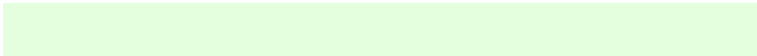
80.0419, 56.8663, 53.8397

Sweetspot

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



38.9022, 56.8687, 27.3397



80.6124, 93.1215, 82.7274



53.5493, 58.5543, 26.8930



16.7794, 19.7053, 16.8567



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.



38.9022, 56.8687, 27.3397



50.1194, 78.5320, 30.2382



38.9320, 56.6161, 39.4494



13.0750, 14.7034, 13.8745



15.4748, 30.2750, 5.0281



1.0629, 1.9925, 0.3286

Inverse Universe

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



44.2457, 31.6793, 70.1154



58.6427, 38.0900, 98.8690



44.7380, 32.3712, 50.3468



13.4042, 13.1665, 16.4870



19.4909, 9.1721, 40.4815



1.3177, 0.6225, 2.6252

Previews

White Background



This preview shows how the XYZ color 38.9008, 56.8663, 27.3384 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 38.9008, 56.8663, 27.3384 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 38.9008, 56.8663, 27.3384

Background



This preview shows how black text looks on a background with the XYZ color 38.9008, 56.8663, 27.3384.

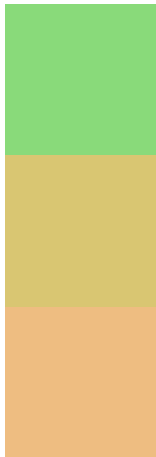


This preview shows how white text looks on a background with the XYZ color 38.9008, 56.8663,

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

38.9008, 56.8663, 27.3384

Protanopia

51.8466, 56.3548, 24.0645

Deuteranopia

57.4199, 56.1573, 28.5820



Tritanopia

48.9082, 56.4389, 78.1281

Trichromacy



Original Color

38.9008, 56.8663, 27.3384



Protanomaly

45.7812, 55.6384, 25.1560



Deuteranomaly

48.5076, 55.2324, 27.8430



Tritanomaly

44.1223, 55.9343, 54.9253

Monochromacy



Original Color

38.9008, 56.8663, 27.3384



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.8988, 50.1601, 41.1918

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9008, 56.8663, 27.3384 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, 218, 122)` looks like.

```
.text, #text, p{  
    color:rgb(137, 218, 122)  
}
```

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, 218, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 218, 122) }
```

Border

The CSS property to change the border of an element to XYZ 38.9008, 56.8663, 27.3384 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, 218, 122) }
```


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

```
.border{ border-color:rgb(137, 218, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 218, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 218, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 218, 122);  
box-shadow:4px 4px 4px 4px rgb(137, 218,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9008, 56.8663, 27.3384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 218, 122) }
```

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

```
.background{ background-color: rgb(137,  
218, 122) }
```

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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