

Converting Colors

XYZ(27.8411, 39.9592, 27.0830)

Have a look what the booklet for
XYZ(27.8411, 39.9592, 27.0830)
contains.

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Color

**XYZ(27.8280, 39.9540,
27.0141)**

Conversions

Conversions Part 1

Format	Color
Hex	6DBA81
RGB	109, 186, 129
RGB Percent	43%, 73%, 51%
CMY	0.5725, 0.2706, 0.4941
CMYK	0.41, 0.00, 0.31, 0.27
HSL	136°, 36%, 58%
HSV	136°, 41%, 73%
XYZ	27.8280, 39.9540, 27.0141
YIQ	156.4790, -27.5950, -34.0510

Conversions

Conversions Part 2

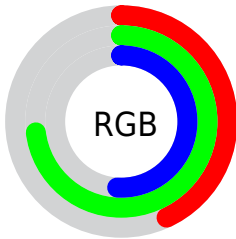
Format	Color
RYB	109, 170, 186
Decimal	7191169
CIELab	69.44, -36.25, 21.63
CIElCh	69, 42.216, 149.175
Yxy	39.9540, 0.2936, 0.4215
Android (android.graphics.Color)	4285381249 (0xFF6DBA81)
YUV	156.4790, -13.5471, -41.6391
Hunter-Lab	63.2092, -32.0310, 18.9073

Details

The XYZ color **27.8280, 39.9540, 27.0141** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **32.6025, 24.1303, 39.0170**, and the grayscale version is **31.8824, 33.5428, 36.5281**.

A 20% lighter version of the original color is **55.8039, 75.3711, 55.8629**, and **11.2381, 17.8793, 10.2559** is the 20% darker color. If you saturate the color by 10%, you get **24.9231, 38.5563, 22.4185**, and if you desaturate by 10%, it is **31.3425, 41.6539, 32.2838**.

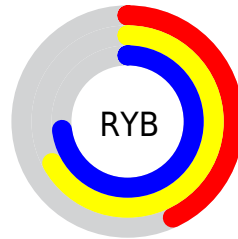
Distribution



Red (43%)

Green (73%)

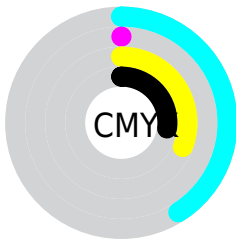
Blue (51%)



Red (43%)

Yellow (67%)

Blue (73%)

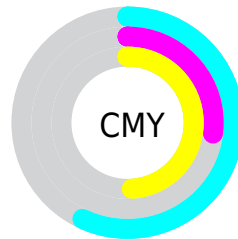


Cyan (41%)

Magenta (0%)

Yellow (31%)

Black (27%)



Cyan (57%)


Magenta (27%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8280, 39.9540, 27.0141 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 27.8280, 39.9540, 27.0141 by changing the saturation by 10% instead.


 27.8280, 39.9540,
27.0141


 27.8280, 39.9540,
27.0141


283.7391,
345.9297, 301.4877


 18.3358, 27.5027,
17.3513


 55.6203, 75.0935,
55.9105


 11.2925, 17.9511,
10.3207

 74.6511, 98.5504,
75.9812

 6.3327, 10.9149,
5.5037


 97.5922, 126.4447,
100.3582

 3.0910, 6.0096,
2.4819

 124.8089,
159.1606, 129.4601

 1.2021, 2.8509,
0.8305

156.6666,
197.0827, 163.7055

 0.1080, 1.0544,
0.0000

193.5307,

 0.0000, 0.0000,

240.5953, 203.5129

0.0000

235.7664,
290.0828, 249.3008

■ 27.8280, 39.9540,
27.0141

■ 27.8280, 39.9540,
27.0141

■ 24.9231, 38.5563,
22.4185

■ 31.3425, 41.6539,
32.2838

■ 22.5891, 37.4381,
18.4671

■ 35.4962, 43.6675,
38.2506

■ 20.7872, 36.5812,
15.1316


■ 40.3206, 46.0115,
44.9396


■ 19.4728, 35.9631,
12.3807


■ 45.8439, 48.7000,
52.3741


■ 18.5931, 35.5574,
10.1800


■ 52.0930, 51.7465,
60.5761

 18.0997, 35.3354,
8.6968

 59.0931, 55.1634,
69.5669

 66.8683, 58.9628,
79.3666

 74.4025, 62.6205,
89.9464

 76.5171, 63.4663,
101.0818

Harmonies

Analogous

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



31.9579, 39.9540, 18.3360



27.8280, 39.9540, 27.0141



26.3563, 39.9540, 42.9665

Triad

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



27.8280, 39.9540, 27.0141



37.7872, 39.9540, 92.6418



50.5575, 39.9540, 27.6991

Complementary

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



27.8280, 39.9540, 27.0141



32.6025, 24.1303, 39.0170

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.



52.5875, 39.9540, 44.0442



27.8280, 39.9540, 27.0141



44.7037, 39.9540, 85.0139

Square

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



27.8280, 39.9540, 27.0141



31.6683, 39.9540, 84.1744



50.3301, 39.9540, 65.6213



45.0680, 39.9540, 18.6406

Rectangle

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



27.8280, 39.9540, 27.0141



26.9272, 39.9540, 56.9804



50.3301, 39.9540, 65.6213



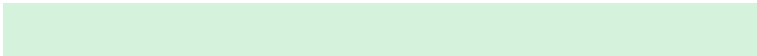
51.6941, 39.9540, 32.3385

Sweetspot

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



27.8290, 39.9557, 27.0150



72.3347, 83.0324, 80.4331



36.2043, 44.4121, 21.1325



15.6645, 18.1564, 17.3495



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.8290, 39.9557, 27.0150



45.4449, 70.0134, 41.0769



30.8187, 41.1515, 42.7583



8.9836, 10.0974, 10.0708



12.2030, 23.7821, 5.9909



0.4564, 0.8488, 0.3490

Inverse Universe

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



32.6025, 24.1303, 39.0170



55.2878, 37.3192, 65.7785



29.6322, 22.9422, 23.3755



9.2786, 9.1218, 10.8146



16.7264, 8.2643, 16.9776



0.6134, 0.3009, 0.7238

Previews

White Background



This preview shows how the XYZ color 27.8280, 39.9540, 27.0141 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 27.8280, 39.9540, 27.0141 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 27.8280, 39.9540, 27.0141

Background



This preview shows how black text looks on a background with the XYZ color 27.8280, 39.9540, 27.0141.



This preview shows how white text looks on a background with the XYZ color 27.8280, 39.9540,

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

27.8280, 39.9540, 27.0141

Protanopia

36.9306, 39.7015, 23.8059

Deuteranopia

40.2494, 39.4322, 28.0441



Tritanopia

33.6032, 39.8575, 55.7914

Trichromacy



Original Color

27.8280, 39.9540, 27.0141



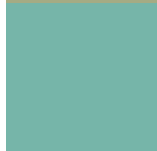
Protanomaly

32.4856, 39.0837, 24.9005



Deuteranomaly

34.2448, 38.7911, 27.5123



Tritanomaly

31.1565, 39.7639, 43.5692

Monochromacy



Original Color

27.8280, 39.9540, 27.0141



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.6545, 35.2017, 32.4258

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8280, 39.9540, 27.0141 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(109, 186, 129)` looks like.

```
.text, #text, p{  
    color:rgb(109, 186, 129)  
}
```

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(109, 186, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 186, 129) }
```

Border

The CSS property to change the border of an element to XYZ 27.8280, 39.9540, 27.0141 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(109, 186, 129) }
```


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

```
.border{ border-color:rgb(109, 186, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 186, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 186, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 186, 129);  
box-shadow:4px 4px 4px 4px rgb(109, 186,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8280, 39.9540, 27.0141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 186, 129) }
```

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

```
.background{ background-color: rgb(109,  
186, 129) }
```

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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