

# Converting Colors

XYZ(27.5246, 34.3686, 25.7347)

Have a look what the booklet for  
XYZ(27.5246, 34.3686, 25.7347)  
contains.

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# Color

**XYZ(27.3879, 34.1825,  
25.5765)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	85A780
RGB	133, 167, 128
RGB Percent	52%, 65%, 50%
CMY	0.4784, 0.3451, 0.4980
CMYK	0.20, 0.00, 0.23, 0.35
HSL	112°, 18%, 58%
HSV	112°, 23%, 65%
XYZ	27.3879, 34.1825, 25.5765
YIQ	152.3880, -7.7450, -19.3370

# Conversions

## Conversions Part 2

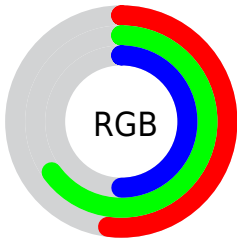
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 167, 162
Decimal	8759168
CIELab	65.11, -19.35, 16.44
CIELCh	65, 25.389, 139.652
Yxy	34.1825, 0.3143, 0.3922
Android (android.graphics.Color)	4286949248 (0xFF85A780)
YUV	152.3880, -12.0233, -17.0033
Hunter-Lab	58.4658, -18.6981, 14.9890

# Details

The XYZ color **27.3879, 34.1825, 25.5765** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.5959, 25.9107, 40.0024**, and the grayscale version is **30.0663, 31.6321, 34.4473**.

A 20% lighter version of the original color is **54.9553, 66.1435, 53.5866**, and **11.1093, 14.6650, 9.6422** is the 20% darker color. If you saturate the color by 10%, you get **24.2365, 32.6756, 20.1557**, and if you desaturate by 10%, it is **31.0407, 35.9289, 31.9667**.

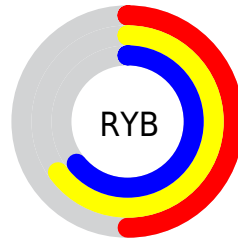
# Distribution



Red (52%)

Green (65%)

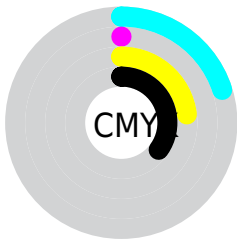
Blue (50%)



Red (50%)

Yellow (65%)

Blue (64%)

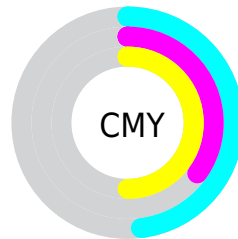


Cyan (20%)

Magenta (0%)

Yellow (23%)

Black (35%)



Cyan (48%)

Magenta (35%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3879, 34.1825, 25.5765 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 27.3879, 34.1825, 25.5765 by changing the saturation by 10% instead.



■ 27.3879, 34.1825,  
25.5765

■ 27.3879, 34.1825,  
25.5765

281.6638,  
320.9450, 294.2359

■ 18.0029, 23.0338,  
16.2842

■ 54.9212, 66.2174,  
53.5666

■ 11.0517, 14.6185,  
9.5689

■ 73.8002, 87.8724,  
73.1015

■ 6.1692, 8.5521,  
5.0123

■ 96.5745, 113.7983,  
96.8876

■ 2.9899, 4.4502,  
2.1956

123.6095,  
144.3795, 125.3435

■ 1.1484, 1.9284,  
0.6718

155.2706,  
180.0003, 158.8878

■ 0.0650, 0.5654,  
0.0000

191.9231,

■ 0.0000, 0.0000,

221.0453, 197.9389

0.0000

233.9324,  
267.8987, 242.9154

■ 27.3879, 34.1825,  
25.5765

■ 27.3879, 34.1825,  
25.5765

■ 24.2365, 32.6756,  
20.1557

■ 31.0407, 35.9289,  
31.9667

■ 21.5620, 31.3937,  
15.6548

■ 35.2127, 37.9202,  
39.3680

■ 19.3418, 30.3272,  
12.0234


■ 39.9242, 40.1668,  
47.8223


■ 17.5502, 29.4642,  
9.2054


■ 45.1936, 42.6775,  
57.3687


■ 16.1592, 28.7914,  
7.1380


■ 51.0384, 45.4603,  
68.0441


 15.1373, 28.2942,  
5.7496


 57.4753, 48.5233,  
79.8839

 14.4480, 27.9558,  
4.9541

 64.5203, 51.8738,  
92.9216

 14.1373, 27.8027,  
4.6213

 71.1070, 55.0865,  
101.4928

 73.1094, 56.1188,  
101.5865

# Harmonies

## Analogous

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



30.1666, 34.1825, 21.2059



27.3879, 34.1825, 25.5765



26.0118, 34.1825, 33.6949

# Triad

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



27.3879, 34.1825, 25.5765



31.2345, 34.1825, 60.9350



39.6219, 34.1825, 30.8092

# Complementary

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



27.3879, 34.1825, 25.5765



29.5959, 25.9107, 40.0024

# 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.



39.9620, 34.1825, 40.9805



27.3879, 34.1825, 25.5765



34.9285, 34.1825, 59.7605

# Square

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



27.3879, 34.1825, 25.5765



28.1188, 34.1825, 54.9050



38.1881, 34.1825, 51.9469



37.2911, 34.1825, 23.8083



# Rectangle

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



27.3879, 34.1825, 25.5765



25.9989, 34.1825, 40.7222



38.1881, 34.1825, 51.9469



39.9792, 34.1825, 33.9226

# Sweetspot

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



27.3888, 34.1840, 25.5773



60.1303, 66.5112, 65.2839



32.7192, 35.5459, 25.5592



13.3610, 14.8386, 14.4405



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



27.3888, 34.1840, 25.5773



46.0310, 59.7747, 40.5907



27.6269, 34.1902, 30.8536



7.5228, 8.4521, 8.0242



10.8420, 21.2865, 3.5373



0.2900, 0.5314, 0.0873



# Inverse Universe

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



29.5959, 25.9107, 40.0024



50.6766, 42.3448, 70.9777



29.3818, 25.9448, 33.4678



7.7459, 7.6171, 9.4803



14.3818, 6.7975, 28.5295



0.3753, 0.1785, 0.6953



# Previews

## White Background



This preview shows how the XYZ color 27.3879, 34.1825, 25.5765 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

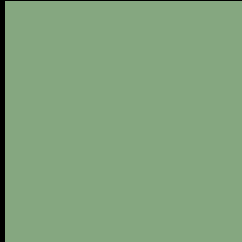
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.3879, 34.1825, 25.5765 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

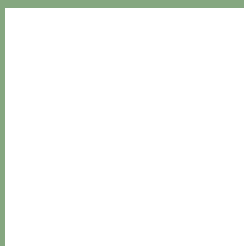
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.3879, 34.1825, 25.5765**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.3879, 34.1825, 25.5765.



This preview shows how white text looks on a background with the XYZ color 27.3879, 34.1825,

25.5765.

# 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

27.3879, 34.1825, 25.5765

### Protanopia

31.7806, 33.8688, 23.6012

### Deuteranopia

34.6164, 34.0402, 26.2187



## Tritanopia

31.3694, 34.2085, 44.9939

# Trichromacy



## Original Color

27.3879, 34.1825, 25.5765

## Protanomaly

29.9641, 33.9390, 24.3736

## Deuteranomaly

31.3961, 33.6182, 25.9533

## Tritanomaly

29.6642, 34.0320, 36.9036

# Monochromacy



## Original Color

27.3879, 34.1825, 25.5765

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

28.6920, 32.1169, 30.6735

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.3879, 34.1825, 25.5765 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(133, 167, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 167, 128)  
}
```

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(133, 167, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 167, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 27.3879, 34.1825, 25.5765 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(133, 167, 128) }
```



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

```
.border{ border-color:rgb(133, 167, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 167, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 167, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 167, 128);  
box-shadow:4px 4px 4px 4px rgb(133, 167,  
128) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.3879, 34.1825, 25.5765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 167, 128) }
```

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

```
.background{ background-color: rgb(133,  
167, 128) }
```

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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