

# Converting Colors

XYZ(27.3357, 40.2811, 27.1878)

Have a look what the booklet for  
XYZ(27.3357, 40.2811, 27.1878)  
contains.

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# Color

**XYZ(27.3125, 40.3181,  
27.1115)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65BC81
RGB	101, 188, 129
RGB Percent	40%, 74%, 51%
CMY	0.6039, 0.2627, 0.4941
CMYK	0.46, 0.00, 0.31, 0.26
HSL	139°, 39%, 57%
HSV	139°, 46%, 74%
XYZ	27.3125, 40.3181, 27.1115
YIQ	155.2610, -32.9130, -36.7930

# Conversions

## Conversions Part 2

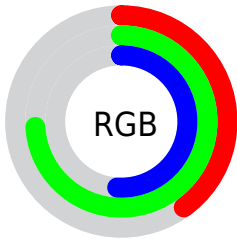
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 167, 188
Decimal	6667393
CIELab	69.70, -39.43, 21.93
CIElCh	70, 45.117, 150.921
Yxy	40.3181, 0.2883, 0.4256
Android (android.graphics.Color)	4284857473 (0xFF65BC81)
YUV	155.2610, -12.9467, -47.5869
Hunter-Lab	63.4965, -34.3387, 19.1322

# Details

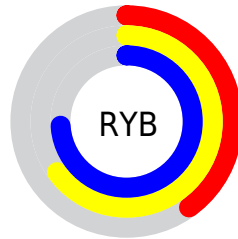
The XYZ color **27.3125, 40.3181, 27.1115** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **31.7392, 22.5377, 35.9367**, and the grayscale version is **31.3382, 32.9702, 35.9046**.

A 20% lighter version of the original color is **54.8062, 75.7501, 55.9886**, and **11.0186, 18.1726, 10.3241** is the 20% darker color. If you saturate the color by 10%, you get **24.6482, 39.0376, 22.8359**, and if you desaturate by 10%, it is **30.5661, 41.8924, 31.9685**.

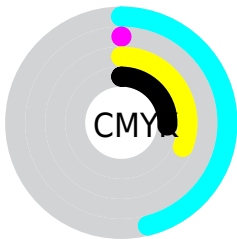
# Distribution



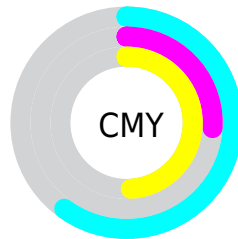
- Red (40%)
- Green (74%)
- Blue (51%)



- Red (40%)
- Yellow (65%)
- Blue (74%)



- Cyan (46%)
- Magenta (0%)
- Yellow (31%)
- Black (26%)




- Cyan (60%)
- Magenta (26%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3125, 40.3181, 27.1115 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 27.3125, 40.3181, 27.1115 by changing the saturation by 10% instead.





 27.3125, 40.3181,  
27.1115


 27.3125, 40.3181,  
27.1115


281.3071,  
347.4625, 301.9738


 17.9459, 27.7866,  
17.4238


 54.8013, 75.6477,  
56.0686

 11.0106, 18.1649,  
10.3720


 73.6541, 99.2146,  
76.1752

 6.1413, 11.0684,  
5.5375


 96.3998, 127.2287,  
100.5917

 2.9727, 6.1129,  
2.5017

 123.4035,  
160.0746, 129.7369

 1.1393, 2.9138,  
0.8411

155.0308,  
198.1365, 164.0291

 0.0576, 1.0869,  
0.0000

191.6469,

 0.0000, 0.0000,

241.7988, 203.8870

0.0000

233.6172,  
291.4460, 249.7290

■ 27.3125, 40.3181,  
27.1115

■ 27.3125, 40.3181,  
27.1115

■ 24.6482, 39.0376,  
22.8359

■ 30.5661, 41.8924,  
31.9685

■ 22.5330, 38.0273,  
19.1169

■ 34.4397, 43.7726,  
37.4250

■ 20.9263, 37.2679,  
15.9321


■ 38.9656, 45.9759,  
43.5016


■ 19.7801, 36.7350,  
13.2563

■ 44.1727, 48.5171,  
50.2171


■ 19.0331, 36.3977,  
11.0618


■ 50.0884, 51.4096,  
57.5895

 18.8130, 36.2996,  
10.3604

 56.7383, 54.6666,  
65.6361

 64.1468, 58.3001,  
74.3736

 72.3373, 62.3219,  
83.8180

 75.5151, 63.7444,  
93.7127

# Harmonies

## Analogous

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



31.5490, 40.3181, 17.6482



27.3125, 40.3181, 27.1115



25.9258, 40.3181, 44.5492

# Triad

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



27.3125, 40.3181, 27.1115



38.5473, 40.3181, 97.6361



51.6738, 40.3181, 26.3076

# Complementary

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



27.3125, 40.3181, 27.1115



31.7392, 22.5377, 35.9367

# 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.



54.1459, 40.3181, 43.2563



27.3125, 40.3181, 27.1115



45.9991, 40.3181, 88.2261

# Square

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



27.3125, 40.3181, 27.1115



31.8936, 40.3181, 89.2595



51.9498, 40.3181, 66.4890



45.5589, 40.3181, 17.2984



# Rectangle

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



27.3125, 40.3181, 27.1115



26.6444, 40.3181, 59.8824



51.9498, 40.3181, 66.4890



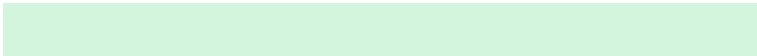
52.9908, 40.3181, 31.0483

# Sweetspot

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



27.3136, 40.3198, 27.1124



72.4465, 84.2134, 81.2334



34.9209, 44.4279, 19.0473



15.1643, 17.9074, 16.9253



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.



27.3136, 40.3198, 27.1124



44.3950, 70.6155, 40.9237



30.8025, 41.7153, 45.4849



9.5319, 10.6989, 10.7847



12.8389, 24.7258, 7.2142



0.5336, 0.9808, 0.4440



# Inverse Universe

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



31.7392, 22.5377, 35.9367



53.4237, 34.2430, 58.8553



28.6018, 21.2827, 19.4153



9.7958, 9.6426, 11.3135



16.7856, 8.3454, 14.6963



0.6862, 0.3384, 0.7266



# Previews

## White Background



This preview shows how the XYZ color 27.3125, 40.3181, 27.1115 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

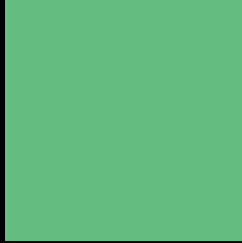
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.3125, 40.3181, 27.1115 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 27.3125, 40.3181, 27.1115**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.3125, 40.3181, 27.1115.



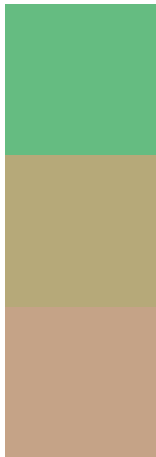
This preview shows how white text looks on a background with the XYZ color 27.3125, 40.3181,



# 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

27.3125, 40.3181, 27.1115

### Protanopia

36.9306, 39.7015, 23.8059

### Deuteranopia

40.4963, 39.8140, 28.4721



## Tritanopia

33.2613, 40.2506, 57.0550

# Trichromacy



## Original Color

27.3125, 40.3181, 27.1115



## Protanomaly

32.3003, 39.2782, 24.9478



## Deuteranomaly

33.8865, 38.8799, 27.9089



## Tritanomaly

30.7447, 40.1488, 44.1593

# Monochromacy



## Original Color

27.3125, 40.3181, 27.1115



## Achromatopsia

31.1553, 32.7778, 35.6950



## Achromatomaly

28.9987, 34.8637, 32.3951

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.3125, 40.3181, 27.1115 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(101, 188, 129)` looks like.

```
.text, #text, p{  
    color:rgb(101, 188, 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(101, 188, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 188, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 27.3125, 40.3181, 27.1115 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(101, 188, 129) }
```



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

```
.border{ border-color:rgb(101, 188, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 188, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 188, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 188, 129);  
box-shadow:4px 4px 4px 4px rgb(101, 188,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.3125, 40.3181, 27.1115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 188, 129) }
```

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

```
.background{ background-color: rgb(101,  
188, 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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