

# Converting Colors

XYZ(27.5477, 40.8655, 14.7065)

Have a look what the booklet for  
XYZ(27.5477, 40.8655, 14.7065)  
contains.

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# Color

**XYZ(27.4297, 40.6559,  
14.5853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	79BC53
RGB	121, 188, 83
RGB Percent	47%, 74%, 33%
CMY	0.5255, 0.2627, 0.6745
CMYK	0.36, 0.00, 0.56, 0.26
HSL	98°, 44%, 53%
HSV	98°, 56%, 74%
XYZ	27.4297, 40.6559, 14.5853
YIQ	155.9970, -6.2270, -46.8590

# Conversions

## Conversions Part 2

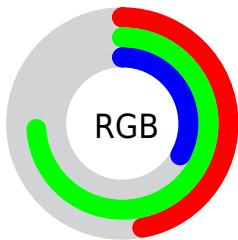
<b>Format</b>	<b>Color</b>
<b>RYB</b>	83, 188, 150
Decimal	7978067
CIELab	69.93, -39.99, 45.83
CIELCh	70, 60.822, 131.106
Yxy	40.6559, 0.3318, 0.4918
Android (android.graphics.Color)	4286168147 (0xFF79BC53)
YUV	155.9970, -35.9875, -30.6924
Hunter-Lab	63.7620, -34.7947, 31.0710

# Details

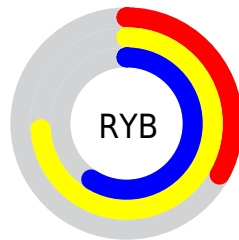
The XYZ color **27.4297, 40.6559, 14.5853** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **24.7499, 16.3027, 49.4214**, and the grayscale version is **31.7571, 33.4109, 36.3845**.

A 20% lighter version of the original color is **55.1570, 76.4012, 34.7615**, and **11.0872, 18.3424, 4.2524** is the 20% darker color. If you saturate the color by 10%, you get **25.2223, 39.5920, 11.1934**, and if you desaturate by 10%, it is **30.0450, 41.9098, 19.0252**.

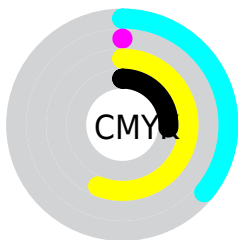
# Distribution



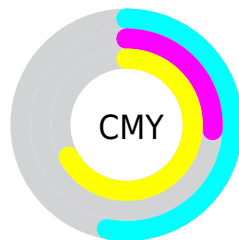
- Red (47%)
- Green (74%)
- Blue (33%)



- Red (33%)
- Yellow (74%)
- Blue (59%)



- Cyan (36%)
- Magenta (0%)
- Yellow (56%)
- Black (26%)




- Cyan (53%)
- Magenta (26%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4297, 40.6559, 14.5853 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 27.4297, 40.6559, 14.5853 by changing the saturation by 10% instead.




 27.4297, 40.6559,  
14.5853


 27.4297, 40.6559,  
14.5853


281.8614,  
348.8804, 232.3959


 18.0345, 28.0503,  
8.3855


 54.9877, 76.1613,  
34.8560

 11.0746, 18.3636,  
4.2513


 73.8811, 99.8298,  
49.7639


 6.1847, 11.2113,  
1.7642


 96.6713, 127.9548,  
68.4116

 2.9994, 6.2092,  
0.4042

 123.7237,  
160.9207, 91.2177

 1.1535, 2.9727,  
0.0000

 155.4035,  
199.1118, 118.6006

 0.0691, 1.1175,  
0.0000

192.0761,

 0.0000, 0.0000,

242.9125, 150.9789

0.0000

234.1070,  
292.7072, 188.7711

■ 27.4297, 40.6559,  
14.5853

■ 27.4297, 40.6559,  
14.5853

■ 25.2223, 39.5920,  
11.1934

■ 30.0450, 41.9098,  
19.0252

■ 23.3959, 38.7024,  
8.7606

■ 33.0870, 43.3581,  
24.5871

■ 21.9244, 37.9771,  
7.1877

■ 36.5768, 45.0112,  
31.3415

■ 20.7754, 37.4022,  
6.3484

■ 40.5329, 46.8775,  
39.3521

■ 20.3703, 37.1983,  
6.1064

■ 44.9730, 48.9646,  
48.6784

■ 49.9135, 51.2799,  
59.3758

■ 55.3703, 53.8304,  
71.4967

■ 61.3584, 56.6226,  
85.0907

■ 67.8921, 59.6631,  
100.2050

# Harmonies

## Analogous

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



35.0904, 40.6559, 9.4274



27.4297, 40.6559, 14.5853



23.2853, 40.6559, 28.8563

# Triad

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



27.4297, 40.6559, 14.5853



32.8000, 40.6559, 118.4729



60.4928, 40.6559, 34.5749

# Complementary

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



27.4297, 40.6559, 14.5853



24.7499, 16.3027, 49.4214

# Split Complementary

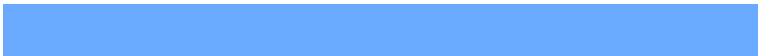
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



59.5950, 40.6559, 64.3720



27.4297, 40.6559, 14.5853



42.4260, 40.6559, 122.2060

# Square

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



27.4297, 40.6559, 14.5853



26.0003, 40.6559, 90.6529



52.5569, 40.6559, 99.3620



54.8334, 40.6559, 17.2286

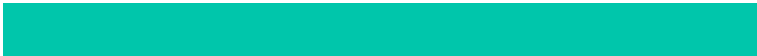


# Rectangle

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



27.4297, 40.6559, 14.5853



22.5637, 40.6559, 45.3276



52.5569, 40.6559, 99.3620



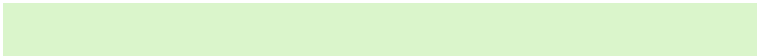
60.9699, 40.6559, 43.2238

# Sweetspot

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



27.4307, 40.6577, 14.5862



72.3798, 84.4475, 69.1001



33.1288, 32.9710, 12.8022



15.2464, 18.0099, 14.2082



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.



27.4307, 40.6577, 14.5862



44.9074, 71.3621, 19.1496



23.7094, 38.6704, 17.5245



9.7260, 10.8131, 10.1512



13.9434, 25.3640, 4.1608



0.6186, 1.0309, 0.1664



# Inverse Universe

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



24.7499, 16.3027, 49.4214



39.4929, 22.8031, 88.5461



31.4738, 19.9350, 42.2353



9.5860, 9.5190, 12.0043



11.5344, 5.2323, 32.7949



0.5210, 0.2406, 1.2878



# Previews

## White Background



This preview shows how the XYZ color 27.4297, 40.6559, 14.5853 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 27.4297, 40.6559, 14.5853 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 27.4297, 40.6559, 14.5853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.4297, 40.6559, 14.5853.



This preview shows how white text looks on a background with the XYZ color 27.4297, 40.6559,



# 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

27.4297, 40.6559, 14.5853

### Protanopia

36.7005, 40.1041, 12.8277

### Deuteranopia

40.7782, 39.9887, 15.2422



## Tritanopia

35.6073, 40.6091, 55.2519

# Trichromacy



## Original Color

27.4297, 40.6559, 14.5853



## Protanomaly

32.4433, 39.9013, 13.3889



## Deuteranomaly

34.1877, 39.0440, 14.7512



## Tritanomaly

31.7071, 40.2203, 35.7979

# Monochromacy



## Original Color

27.4297, 40.6559, 14.5853



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

29.2928, 35.4299, 26.0636

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.4297, 40.6559, 14.5853 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(121, 188, 83)` looks like.

```
.text, #text, p{  
    color:rgb(121, 188, 83)  
}
```

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(121, 188, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 188, 83) }
```

## Border

The CSS property to change the border of an element to XYZ 27.4297, 40.6559, 14.5853 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(121, 188, 83) }
```



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

```
.border{ border-color:rgb(121, 188, 83) }
```

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

Here you see how a box with a 4 pixel rgb(121, 188, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 188, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 188, 83);  
box-shadow:4px 4px 4px 4px rgb(121, 188,  
83) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.4297, 40.6559, 14.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 188, 83) }
```

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

```
.background{ background-color: rgb(121,  
188, 83) }
```

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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