

# Converting Colors

XYZ(27.3642, 43.7796, 20.9199)

Have a look what the booklet for  
XYZ(27.3642, 43.7796, 20.9199)  
contains.

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# Color

**XYZ(27.3621, 43.7769,  
20.9176)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DC66B
RGB	93, 198, 107
RGB Percent	36%, 78%, 42%
CMY	0.6353, 0.2235, 0.5804
CMYK	0.53, 0.00, 0.46, 0.22
HSL	128°, 48%, 57%
HSV	128°, 53%, 78%
XYZ	27.3621, 43.7769, 20.9176
YIQ	156.2310, -33.3690, -50.5610

# Conversions

## Conversions Part 2

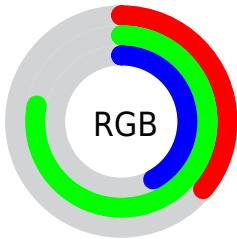
Format	Color
<b>RYB</b>	93, 186, 198
Decimal	6145643
CIELab	72.08, -49.50, 36.46
CIElCh	72, 61.481, 143.630
Yxy	43.7769, 0.2972, 0.4755
Android (android.graphics.Color)	4284335723 (0xFF5DC66B)
YUV	156.2310, -24.2709, -55.4536
Hunter-Lab	66.1641, -41.9687, 27.5705

# Details

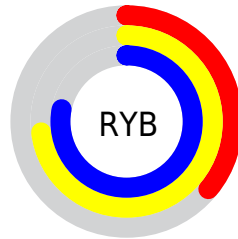
The XYZ color **27.3621, 43.7769, 20.9176** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **35.8560, 23.2958, 47.9550**, and the grayscale version is **31.8197, 33.4768, 36.4563**.

A 20% lighter version of the original color is **54.6828, 80.5421, 45.9218**, and **11.0130, 20.1733, 7.1843** is the 20% darker color. If you saturate the color by 10%, you get **24.7966, 42.5498, 16.5438**, and if you desaturate by 10%, it is **30.6278, 45.3468, 26.2613**.

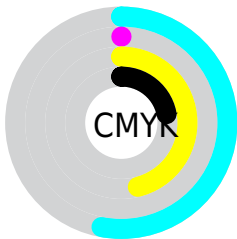
# Distribution



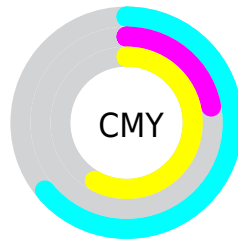
- Red (36%)
- Green (78%)
- Blue (42%)



- Red (36%)
- Yellow (73%)
- Blue (78%)



- Cyan (53%)
- Magenta (0%)
- Yellow (46%)
- Black (22%)



- Cyan (64%)
- Magenta (22%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3621, 43.7769, 20.9176 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 27.3621, 43.7769, 20.9176 by changing the saturation by 10% instead.



■ 27.3621, 43.7769,  
20.9176

■ 27.3621, 43.7769,  
20.9176

281.5418,  
361.7971, 269.6069

■ 17.9833, 30.4952,  
12.8731

■ 54.8802, 80.8819,  
45.8294

■ 11.0376, 20.2147,  
7.2115

■ 73.7502, 105.4740,  
63.5337

■ 6.1596, 12.5512,  
3.5143

■ 96.5147, 134.6050,  
85.2952

■ 2.9840, 7.1203,  
1.3629

■ 123.5390,  
168.6592, 111.5322

■ 1.1453, 3.5374,  
0.1125

155.1886,  
208.0212, 142.6633

■ 0.0625, 1.4183,  
0.0000

191.8286,

■ 0.0000, 0.2302,

253.0752, 179.1071

0.0000

233.8246,  
304.2057, 221.2821

■ 0.0000, 0.0000,  
0.0000

■ 27.3621, 43.7769,  
20.9176

■ 27.3621, 43.7769,  
20.9176

■ 24.7966, 42.5498,  
16.5438

■ 30.6278, 45.3468,  
26.2613

■ 22.8764, 41.6346,  
13.0789

■ 34.6367, 47.2768,  
32.6251

■ 21.5437, 41.0041,  
10.4596

■ 39.4323, 49.5894,  
40.0594

■ 20.7287, 40.6240,  
8.6132

■ 45.0537, 52.3039,  
48.6102

■ 20.3860, 40.4664,  
7.7375

■ 51.5374, 55.4382,  
58.3210

■ 58.9177, 59.0090,  
69.2329

■ 67.2270, 63.0322,  
81.3850

■ 76.4962, 67.5230,  
94.8146

■ 79.4850, 68.8700,  
103.7117

# Harmonies

## Analogous

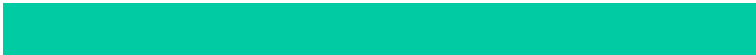
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.0208, 43.7769, 11.8672



27.3621, 43.7769, 20.9176



24.5788, 43.7769, 41.5264

# Triad

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



27.3621, 43.7769, 20.9176



39.4058, 43.7769, 131.4549



63.0117, 43.7769, 28.0227

# Complementary

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



27.3621, 43.7769, 20.9176



35.8560, 23.2958, 47.9550

# 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.



65.1049, 43.7769, 54.3819



27.3621, 43.7769, 20.9176



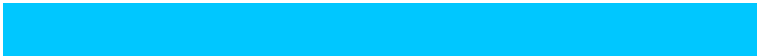
50.2484, 43.7769, 122.8088

# Square

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



27.3621, 43.7769, 20.9176



30.7357, 43.7769, 111.1280



60.1000, 43.7769, 90.8976



54.7838, 43.7769, 14.5952

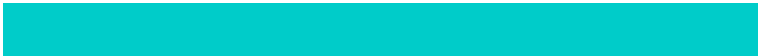


# Rectangle

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



27.3621, 43.7769, 20.9176



24.8930, 43.7769, 62.6506



60.1000, 43.7769, 90.8976



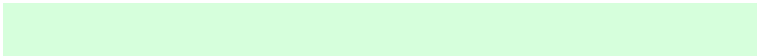
64.5078, 43.7769, 35.2836

# Sweetspot

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



27.3632, 43.7787, 20.9186



76.4207, 90.9945, 80.9968



41.9388, 51.3710, 18.0612



15.9071, 19.2592, 16.6529



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.



27.3632, 43.7787, 20.9186



43.1661, 74.9900, 27.9888



31.0109, 45.2378, 40.1274



10.5541, 11.9105, 11.6021



13.2753, 26.3225, 5.1282



0.6479, 1.2541, 0.3446



# Inverse Universe

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



35.8560, 23.2958, 47.9550



59.7917, 34.7764, 80.8297



31.3349, 21.4874, 24.1474



11.0199, 10.7913, 13.0881



19.9856, 9.7438, 26.1976



0.9637, 0.4683, 1.3317



# Previews

## White Background



This preview shows how the XYZ color 27.3621, 43.7769, 20.9176 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 27.3621, 43.7769, 20.9176 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 27.3621, 43.7769, 20.9176**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.3621, 43.7769, 20.9176.



This preview shows how white text looks on a background with the XYZ color 27.3621, 43.7769,



# 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

27.3621, 43.7769, 20.9176

### Protanopia

39.7698, 43.2890, 18.0639

### Deuteranopia

43.9039, 43.0691, 21.9188



## Tritanopia

35.6335, 43.5179, 62.3988

# Trichromacy



## Original Color

27.3621, 43.7769, 20.9176



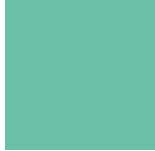
## Protanomaly

33.4434, 42.4084, 18.9934



## Deuteranomaly

35.1378, 41.7127, 21.2383



## Tritanomaly

31.7902, 43.2398, 43.2298

# Monochromacy



## Original Color

27.3621, 43.7769, 20.9176



## Achromatopsia

31.5995, 33.2452, 36.2040



## Achromatomaly

28.8232, 35.9473, 29.4641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.3621, 43.7769, 20.9176 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(93, 198, 107)` looks like.

```
.text, #text, p{  
    color:rgb(93, 198, 107)  
}
```

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(93, 198, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 198, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 27.3621, 43.7769, 20.9176 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(93, 198, 107) }
```



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

```
.border{ border-color:rgb(93, 198, 107) }
```

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

Here you see how a box with a 4 pixel rgb(93, 198, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 198, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 198, 107);  
box-shadow:4px 4px 4px 4px rgb(93, 198,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.3621, 43.7769, 20.9176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 198, 107) }
```

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

```
.background{ background-color: rgb(93, 198,  
107) }
```

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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