

Converting Colors

XYZ(27.7989, 43.1959, 18.5868)

Have a look what the booklet for
XYZ(27.7989, 43.1959, 18.5868)
contains.

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Color

**XYZ(27.7111, 42.9952,
18.6428)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC363
RGB	106, 195, 99
RGB Percent	42%, 76%, 39%
CMY	0.5843, 0.2353, 0.6118
CMYK	0.46, 0.00, 0.49, 0.24
HSL	116°, 44%, 58%
HSV	116°, 49%, 76%
XYZ	27.7111, 42.9952, 18.6428
YIQ	157.4450, -22.2280, -48.7240

Conversions

Conversions Part 2

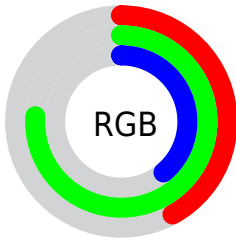
Format	Color
RYB	99, 195, 188
Decimal	6996835
CIELab	71.55, -45.83, 39.89
CIElCh	72, 60.764, 138.963
Yxy	42.9952, 0.3101, 0.4812
Android (android.graphics.Color)	4285186915 (0xFF6AC363)
YUV	157.4450, -28.8134, -45.1173
Hunter-Lab	65.5707, -39.3122, 29.0424

Details

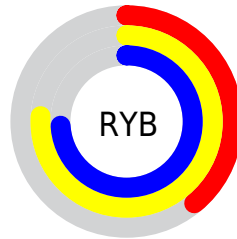
The XYZ color **27.7111, 42.9952, 18.6428** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **35.0533, 23.5566, 54.3313**, and the grayscale version is **32.3824, 34.0689, 37.1010**.

A 20% lighter version of the original color is **55.3782, 79.5692, 42.1454**, and **11.1514, 19.6063, 6.1024** is the 20% darker color. If you saturate the color by 10%, you get **24.9627, 41.6746, 14.2217**, and if you desaturate by 10%, it is **31.1396, 44.6429, 24.2724**.

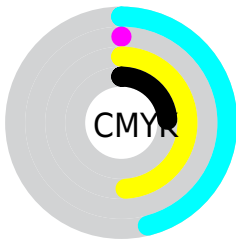
Distribution



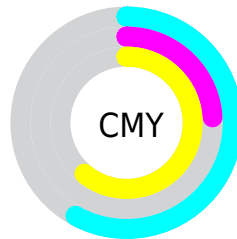
- Red (42%)
- Green (76%)
- Blue (39%)



- Red (39%)
- Yellow (76%)
- Blue (74%)



- Cyan (46%)
- Magenta (0%)
- Yellow (49%)
- Black (24%)



- Cyan (58%)
- Magenta (24%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7111, 42.9952, 18.6428 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 27.7111, 42.9952, 18.6428 by changing the saturation by 10% instead.

■ 27.7111, 42.9952,
18.6428

■ 27.7111, 42.9952,
18.6428

283.1890,
358.5920, 256.8263

■ 18.2473, 29.8814,
11.2383

■ 55.4347, 79.7036,
41.9583

■ 11.2285, 19.7485,
6.1111

■ 74.4253, 104.0670,
58.7063

■ 6.2891, 12.2124,
2.8429

■ 97.3222, 132.9490,
79.4059

■ 3.0640, 6.8885,
1.0150

■ 124.4908,
166.7340, 104.4756

■ 1.1877, 3.3925,
0.0000

156.2964,
205.8064, 134.3339

■ 0.0966, 1.3399,
0.0000

193.1044,

■ 0.0000, 0.1718,

250.5506, 169.3995

0.0000

235.2802,
301.3510, 210.0908

■ 0.0000, 0.0000,
0.0000

■ 27.7111, 42.9952,
18.6428

■ 27.7111, 42.9952,
18.6428

■ 24.9627, 41.6746,
14.2217

■ 31.1396, 44.6429,
24.2724

■ 22.8461, 40.6544,
10.9182

■ 35.2862, 46.6318,
31.1872

■ 21.3116, 39.9123,
8.6331


■ 40.1896, 48.9815,
39.4605


■ 20.3007, 39.4208,
7.2486


■ 45.8850, 51.7088,
49.1596


■ 19.7312, 39.1419,
6.5583


■ 52.4052, 54.8293,
60.3473

 19.7004, 39.1270,
6.5139

 59.7814, 58.3576,
73.0825

 68.0430, 62.3078,
87.4210

 77.2171, 66.6928,
103.4110

 78.8059, 67.5119,
103.4853

Harmonies

Analogous

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



34.7806, 42.9952, 11.1199



27.7111, 42.9952, 18.6428



24.3914, 42.9952, 36.8044

Triad

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



27.7111, 42.9952, 18.6428



37.2020, 42.9952, 127.1134



62.5214, 42.9952, 30.7413

Complementary

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



27.7111, 42.9952, 18.6428



35.0533, 23.5566, 54.3313

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.



63.4639, 42.9952, 58.4925



27.7111, 42.9952, 18.6428



47.6220, 42.9952, 123.2171

Square

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



27.7111, 42.9952, 18.6428



29.2273, 42.9952, 103.7158



57.6370, 42.9952, 94.6049



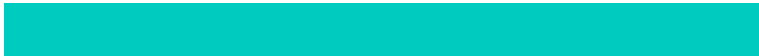
55.2441, 42.9952, 15.8087

Rectangle

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



27.7111, 42.9952, 18.6428



24.3035, 42.9952, 56.1867



57.6370, 42.9952, 94.6049



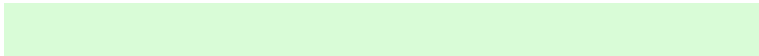
63.6304, 42.9952, 38.5471

Sweetspot

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



27.7122, 42.9970, 18.6438



75.8813, 89.5930, 77.3029



42.5300, 48.0457, 18.8373



16.1512, 19.3968, 16.1363



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.



27.7122, 42.9970, 18.6438



44.4121, 74.4949, 25.0033



29.3223, 43.5489, 31.2876



10.0109, 11.2931, 10.7140



12.8314, 25.4437, 4.2348



0.5783, 1.1117, 0.1841

Inverse Universe

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



35.0533, 23.5566, 54.3313



59.0210, 35.6633, 96.2427



32.8854, 22.8935, 33.6975



10.4225, 10.2090, 12.7060



18.7856, 8.9447, 34.2930



0.8337, 0.3978, 1.4827

Previews

White Background



This preview shows how the XYZ color 27.7111, 42.9952, 18.6428 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 27.7111, 42.9952, 18.6428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

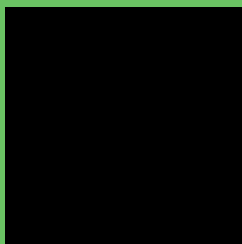
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7111, 42.9952, 18.6428

Background



This preview shows how black text looks on a background with the XYZ color 27.7111, 42.9952, 18.6428.



This preview shows how white text looks on a background with the XYZ color 27.7111, 42.9952,

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

27.7111, 42.9952, 18.6428

Protanopia

38.8060, 42.2513, 16.2352

Deuteranopia

43.1017, 42.1619, 19.5020



Tritanopia

36.0535, 42.8401, 60.4016

Trichromacy



Original Color

27.7111, 42.9952, 18.6428



Protanomaly

33.4914, 41.8592, 17.1409



Deuteranomaly

35.4039, 41.3078, 18.9392



Tritanomaly

32.2018, 42.5327, 41.1628

Monochromacy



Original Color

27.7111, 42.9952, 18.6428



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.4881, 36.3067, 28.7463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7111, 42.9952, 18.6428 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(106, 195, 99)` looks like.

```
.text, #text, p{  
    color:rgb(106, 195, 99)  
}
```

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(106, 195, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 195, 99) }
```

Border

The CSS property to change the border of an element to XYZ 27.7111, 42.9952, 18.6428 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(106, 195, 99) }
```


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

```
.border{ border-color:rgb(106, 195, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 195, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 195, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 195, 99);  
box-shadow:4px 4px 4px 4px rgb(106, 195,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7111, 42.9952, 18.6428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 195, 99) }
```

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

```
.background{ background-color: rgb(106,  
195, 99) }
```

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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