

Converting Colors

XYZ(27.6768, 43.6913, 16.3454)

Have a look what the booklet for
XYZ(27.6768, 43.6913, 16.3454)
contains.

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Color

**XYZ(27.7133, 43.7179,
16.4290)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC559
RGB	106, 197, 89
RGB Percent	42%, 77%, 35%
CMY	0.5843, 0.2274, 0.6510
CMYK	0.46, 0.00, 0.55, 0.23
HSL	111°, 48%, 56%
HSV	111°, 55%, 77%
XYZ	27.7133, 43.7179, 16.4290
YIQ	157.4790, -19.5680, -52.8800

Conversions

Conversions Part 2

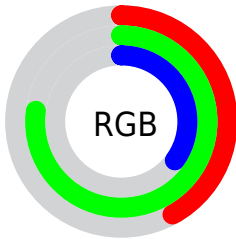
Format	Color
RYB	89, 197, 180
Decimal	6997337
CIELab	72.04, -47.93, 45.32
CIELCh	72, 65.960, 136.603
Yxy	43.7179, 0.3154, 0.4976
Android (android.graphics.Color)	4285187417 (0xFF6AC559)
YUV	157.4790, -33.7601, -45.1471
Hunter-Lab	66.1195, -40.8927, 31.5516

Details

The XYZ color **27.7133, 43.7179, 16.4290** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted chartreuse. A complement of this color would be **32.4750, 20.8807, 55.1443**, and the grayscale version is **32.4187, 34.1070, 37.1425**.

A 20% lighter version of the original color is **55.4286, 80.6231, 38.2316**, and **11.1792, 20.0839, 5.0376** is the 20% darker color. If you saturate the color by 10%, you get **25.2091, 42.5114, 12.5565**, and if you desaturate by 10%, it is **30.8228, 45.2135, 21.4870**.

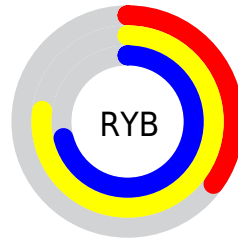
Distribution



Red (42%)

Green (77%)

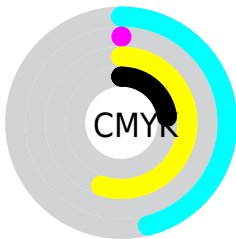
Blue (35%)



Red (35%)

Yellow (77%)

Blue (71%)

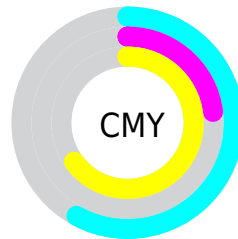


Cyan (46%)

Magenta (0%)

Yellow (55%)

Black (23%)



Cyan (58%)

Magenta (23%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7133, 43.7179, 16.4290 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 27.7133, 43.7179, 16.4290 by changing the saturation by 10% instead.

■ 27.7133, 43.7179,
16.4290

■ 27.7133, 43.7179,
16.4290

283.1994,
361.5559, 243.7916

■ 18.2490, 30.4488,
9.6706

■ 55.4382, 80.7931,
38.1185

■ 11.2297, 20.1795,
5.0784

■ 74.4296, 105.3680,
53.8866

■ 6.2900, 12.5256,
2.2338

■ 97.3273, 134.4802,
73.4951

■ 3.0645, 7.1027,
0.6938

■ 124.4968,
168.5142, 97.3625

■ 1.1880, 3.5264,
0.0000

156.3034,
207.8544, 125.9073

■ 0.0968, 1.4123,
0.0000

193.1125,

■ 0.0000, 0.2258,

252.8851, 159.5480

0.0000

235.2894,
303.9908, 198.7033

■ 0.0000, 0.0000,
0.0000

■ 27.7133, 43.7179,
16.4290

■ 27.7133, 43.7179,
16.4290

■ 25.2091, 42.5114,
12.5565

■ 30.8228, 45.2135,
21.4870

■ 23.2669, 41.5698,
9.7703

■ 34.5710, 47.0096,
27.8135

■ 21.8424, 40.8740,
7.9600

■ 38.9924, 49.1237,
35.4870

■ 20.8827, 40.3997,
6.9903

■ 44.1180, 51.5701,
44.5793

■ 20.5323, 40.2256,
6.6822

■ 49.9772, 54.3626,
55.1567

■ 56.5974, 57.5139,
67.2816

■ 64.0047, 61.0362,
81.0127

■ 72.2239, 64.9412,
96.4058

■ 79.2571, 68.4142,
103.6357

Harmonies

Analogous

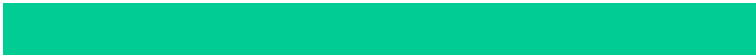
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.6636, 43.7179, 9.4605



27.7133, 43.7179, 16.4290



23.8377, 43.7179, 34.6229

Triad

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



27.7133, 43.7179, 16.4290



36.7318, 43.7179, 137.0803



65.9674, 43.7179, 31.9803

Complementary

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



27.7133, 43.7179, 16.4290



32.4750, 20.8807, 55.1443

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.



66.3954, 43.7179, 63.4748



27.7133, 43.7179, 16.4290



48.0565, 43.7179, 135.2691

Square

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



27.7133, 43.7179, 16.4290



28.3730, 43.7179, 108.4261



59.3687, 43.7179, 104.2304



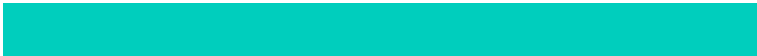
58.2876, 43.7179, 15.2502

Rectangle

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



27.7133, 43.7179, 16.4290



23.5312, 43.7179, 55.0999



59.3687, 43.7179, 104.2304



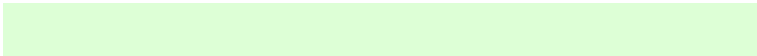
67.0066, 43.7179, 40.8160

Sweetspot

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



27.7144, 43.7198, 16.4300



77.6268, 91.6980, 77.3605



40.9511, 44.8338, 15.9474



16.1901, 19.4243, 15.8004



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.



27.7144, 43.7198, 16.4300



44.3023, 75.7264, 21.2344



27.7891, 43.5390, 26.3424



10.6504, 11.9667, 11.3112



13.5507, 26.4810, 4.3971



0.6922, 1.2799, 0.2106

Inverse Universe

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



32.4750, 20.8807, 55.1443



53.5917, 30.5658, 97.6829



33.0329, 21.5895, 36.1460



10.9128, 10.7288, 13.4132



17.0300, 8.0135, 35.3935



0.8517, 0.4028, 1.6780

Previews

White Background



This preview shows how the XYZ color 27.7133, 43.7179, 16.4290 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 27.7133, 43.7179, 16.4290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

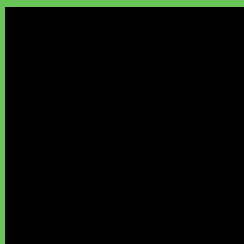
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.7133, 43.7179, 16.4290

Background



This preview shows how black text looks on a background with the XYZ color 27.7133, 43.7179, 16.4290.



This preview shows how white text looks on a background with the XYZ color 27.7133, 43.7179,

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

27.7133, 43.7179, 16.4290

Protanopia

39.5540, 43.2620, 14.2483

Deuteranopia

43.7079, 42.7966, 17.2662



Tritanopia

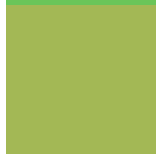
36.5267, 43.3801, 61.0916

Trichromacy



Original Color

27.7133, 43.7179, 16.4290



Protanomaly

33.8844, 42.7234, 15.0549



Deuteranomaly

35.6200, 41.7629, 16.7733



Tritanomaly

32.1505, 42.8552, 39.8351

Monochromacy



Original Color

27.7133, 43.7179, 16.4290



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

29.3986, 36.5743, 27.3399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7133, 43.7179, 16.4290 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, 197, 89)` looks like.

```
.text, #text, p{  
    color:rgb(106, 197, 89)  
}
```

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, 197, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 197, 89) }
```

Border

The CSS property to change the border of an element to XYZ 27.7133, 43.7179, 16.4290 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, 197, 89) }
```


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

```
.border{ border-color:rgb(106, 197, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 197, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 197, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 197, 89);  
box-shadow:4px 4px 4px 4px rgb(106, 197,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7133, 43.7179, 16.4290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 197, 89) }
```

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

```
.background{ background-color: rgb(106,  
197, 89) }
```

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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