

Converting Colors

XYZ(27.4657, 45.5649, 8.9029)

Have a look what the booklet for
XYZ(27.4657, 45.5649, 8.9029)
contains.

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Color

**XYZ(27.3678, 45.4266,
8.9159)**

Conversions

Conversions Part 1

Format	Color
Hex	6ACA23
RGB	106, 202, 35
RGB Percent	42%, 79%, 14%
CMY	0.5843, 0.2078, 0.8627
CMYK	0.48, 0.00, 0.83, 0.21
HSL	94°, 70%, 46%
HSV	94°, 83%, 79%
XYZ	27.3678, 45.4266, 8.9159
YIQ	154.2580, -3.6090, -72.2890

Conversions

Conversions Part 2

Format	Color
RYB	35, 202, 131
Decimal	6998563
CIELab	73.17, -54.19, 66.90
CIELCh	73, 86.092, 129.011
Yxy	45.4266, 0.3349, 0.5559
Android (android.graphics.Color)	4285188643 (0xFF6ACA23)
YUV	154.2580, -58.7942, -42.3223
Hunter-Lab	67.3993, -45.4679, 39.3363

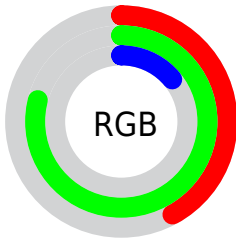
Details

The XYZ color **27.3678, 45.4266, 8.9159** is a dark color, and the websafe version is hex **66CC33**.

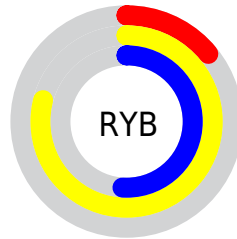
The color can be described as dark muted chartreuse. A complement of this color would be **20.6245, 10.2934, 56.7794**, and the grayscale version is **31.0817, 32.7003, 35.6107**.

A 20% lighter version of the original color is **53.3884, 80.3639, 23.7642**, and **11.3482, 21.3389, 3.5207** is the 20% darker color. If you saturate the color by 10%, you get **25.8622, 44.6771, 7.7053**, and if you desaturate by 10%, it is **29.2349, 46.3453, 11.0455**.

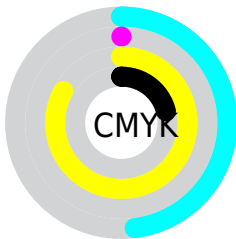
Distribution



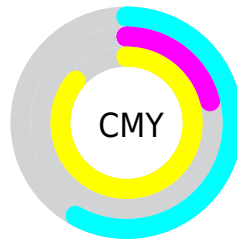
- Red (42%)
- Green (79%)
- Blue (14%)



- Red (14%)
- Yellow (79%)
- Blue (51%)



- Cyan (48%)
- Magenta (0%)
- Yellow (83%)
- Black (21%)



- Cyan (58%)
- Magenta (21%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3678, 45.4266, 8.9159 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 27.3678, 45.4266, 8.9159 by changing the saturation by 10% instead.

■ 27.3678, 45.4266,
8.9159

■ 27.3678, 45.4266,
8.9159

281.5687,
368.4986, 192.9442

■ 17.9877, 31.7936,
4.5903

■ 54.8892, 83.3602,
24.3105

■ 11.0408, 21.2039,
1.9545

■ 73.7612, 108.4296,
36.2166

■ 6.1618, 13.2731,
0.5271

■ 96.5279, 138.0798,
51.4866

■ 2.9853, 7.6169,
0.0000

■ 123.5546,
172.6954, 70.5391

■ 1.1460, 3.8508,
0.0000

■ 155.2067,
212.6607, 93.7925

■ 0.0631, 1.5905,
0.0000

■ 191.8495,

■ 0.0000, 0.3511,

258.3600, 121.6655

0.0000

233.8484,
310.1779, 154.5765

■ 0.0000, 0.0000,
0.0000

■ 27.3678, 45.4266,
8.9159

■ 27.3678, 45.4266,
8.9159

■ 25.8622, 44.6771,
7.7053

■ 29.2349, 46.3453,
11.0455

■ 24.9476, 44.2154,
7.2196

■ 31.4932, 47.4415,
14.2276

■ 34.1721, 48.7290,
18.5770

■ 37.2966, 50.2186,
24.1927

■ 40.8895, 51.9203,
31.1631

■ 44.9720, 53.8431,
39.5689

■ 49.5636, 55.9955,
49.4841

■ 54.6829, 58.3855,
60.9780

■ 60.3474, 61.0207,
74.1154

Harmonies

Analogous

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



38.7901, 45.4266, 4.4160



27.3678, 45.4266, 8.9159



21.3586, 45.4266, 25.2699

Triad

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



27.3678, 45.4266, 8.9159



33.5959, 45.4266, 174.6661



78.6380, 45.4266, 37.5560

Complementary

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



27.3678, 45.4266, 8.9159



20.6245, 10.2934, 56.7794

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.



76.3241, 45.4266, 85.5929



27.3678, 45.4266, 8.9159



47.8820, 45.4266, 185.2811

Square

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



27.3678, 45.4266, 8.9159



24.3288, 45.4266, 122.3668



64.1352, 45.4266, 146.1923



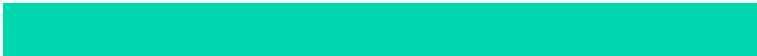
69.8717, 45.4266, 13.4285

Rectangle

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



27.3678, 45.4266, 8.9159



20.1796, 45.4266, 48.0413



64.1352, 45.4266, 146.1923



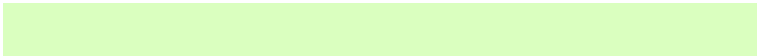
79.1668, 45.4266, 50.9101

Sweetspot

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



27.3689, 45.4286, 8.9169



74.2100, 90.2522, 62.9437



32.5965, 28.5480, 5.3831



15.3536, 19.0680, 12.3776



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.



27.3689, 45.4286, 8.9169



42.1881, 74.8322, 12.2937



22.3109, 42.7988, 9.6846



11.5126, 12.7661, 11.9368



16.1500, 28.5010, 4.6500



0.9193, 1.5147, 0.2439

Inverse Universe

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



20.6245, 10.2934, 56.7794



30.2328, 13.5416, 95.6281



34.3493, 17.5156, 50.7863



11.2089, 11.1570, 14.1331



11.6093, 5.1924, 36.3466



0.6845, 0.3120, 1.8791

Previews

White Background



This preview shows how the XYZ color 27.3678, 45.4266, 8.9159 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 27.3678, 45.4266, 8.9159 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 27.3678, 45.4266, 8.9159

Background



This preview shows how black text looks on a background with the XYZ color 27.3678, 45.4266, 8.9159.



This preview shows how white text looks on a background with the XYZ color 27.3678, 45.4266,

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

27.3678, 45.4266, 8.9159

Protanopia

40.4293, 44.7464, 7.6685

Deuteranopia

45.5710, 44.4803, 9.5519



Tritanopia

38.1228, 45.1035, 63.1965

Trichromacy



Original Color

27.3678, 45.4266, 8.9159



Protanomaly

33.7435, 43.7466, 7.9618



Deuteranomaly

36.0731, 43.0688, 8.9966



Tritanomaly

31.9785, 44.2305, 32.4431

Monochromacy



Original Color

27.3678, 45.4266, 8.9159



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.7487, 35.5919, 20.4463

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3678, 45.4266, 8.9159 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, 202, 35)` looks like.

```
.text, #text, p{  
    color:rgb(106, 202, 35)  
}
```

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, 202, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 202, 35) }
```

Border

The CSS property to change the border of an element to XYZ 27.3678, 45.4266, 8.9159 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, 202, 35) }
```


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

```
.border{ border-color:rgb(106, 202, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 202, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 202, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 202, 35);  
box-shadow:4px 4px 4px 4px rgb(106, 202,  
35) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3678, 45.4266, 8.9159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 202, 35) }
```

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

```
.background{ background-color: rgb(106,  
202, 35) }
```

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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