

Converting Colors

XYZ(27.2595, 47.4380, 18.9962)

Have a look what the booklet for
XYZ(27.2595, 47.4380, 18.9962)
contains.

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Color

**XYZ(27.1678, 47.2400,
18.9956)**

Conversions

Conversions Part 1

Format	Color
Hex	45D061
RGB	69, 208, 97
RGB Percent	27%, 82%, 38%
CMY	0.7294, 0.1843, 0.6196
CMYK	0.67, 0.00, 0.53, 0.18
HSL	132°, 60%, 54%
HSV	132°, 67%, 82%
XYZ	27.1678, 47.2400, 18.9956
YIQ	153.7850, -47.2130, -63.9890

Conversions

Conversions Part 2

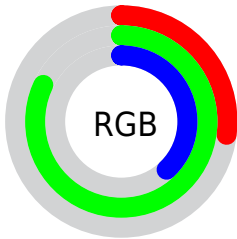
Format	Color
RYB	69, 185, 208
Decimal	4575329
CIELab	74.34, -60.05, 44.01
CIElCh	74, 74.448, 143.761
Yxy	47.2400, 0.2909, 0.5058
Android (android.graphics.Color)	4282765409 (0xFF45D061)
YUV	153.7850, -27.9950, -74.3564
Hunter-Lab	68.7314, -49.7233, 31.7257

Details

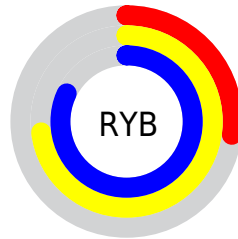
The XYZ color **27.1678, 47.2400, 18.9956** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **36.3802, 20.9623, 45.3100**, and the grayscale version is **30.7556, 32.3573, 35.2371**.

A 20% lighter version of the original color is **50.9379, 78.7086, 41.3617**, and **11.7214, 22.6537, 6.3396** is the 20% darker color. If you saturate the color by 10%, you get **25.2478, 46.3318, 15.2780**, and if you desaturate by 10%, it is **29.7693, 48.4834, 23.5937**.

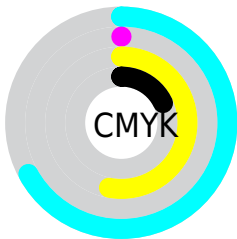
Distribution



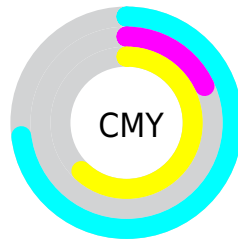
- Red (27%)
- Green (82%)
- Blue (38%)



- Red (27%)
- Yellow (73%)
- Blue (82%)



- Cyan (67%)
- Magenta (0%)
- Yellow (53%)
- Black (18%)



- Cyan (73%)
- Magenta (18%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1678, 47.2400, 18.9956 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 27.1678, 47.2400, 18.9956 by changing the saturation by 10% instead.

■ 27.1678, 47.2400,
18.9956

■ 27.1678, 47.2400,
18.9956

280.6214,
375.7717, 258.8464

■ 17.8365, 33.2254,
11.4903

■ 54.5710, 86.0718,
42.5633

■ 10.9317, 22.2992,
6.2793

■ 73.3736, 111.6577,
59.4627

■ 6.0879, 14.0769,
2.9442

■ 96.0641, 141.8696,
80.3307

■ 2.9397, 8.1742,
1.0662

■ 123.0078,
177.0918, 105.5856

■ 1.1220, 4.2066,
0.0000

154.5700,
217.7087, 135.6461

■ 0.0434, 1.7898,
0.0000

191.1161,

■ 0.0000, 0.4808,

264.1048, 170.9307

0.0000

233.0114,
316.6643, 211.8580

■ 0.0000, 0.0000,
0.0000

■ 27.1678, 47.2400,
18.9956

■ 27.1678, 47.2400,
18.9956

■ 25.2478, 46.3318,
15.2780

■ 29.7693, 48.4834,
23.5937

■ 23.9387, 45.7198,
12.3812

■ 33.1067, 50.0850,
29.1203

■ 23.1560, 45.3628,
10.2430

■ 37.2328, 52.0725,
35.6240

■ 22.9729, 45.2800,
9.7104

■ 42.1945, 54.4689,
43.1489

■ 48.0349, 57.2957,
51.7365

■ 54.7943, 60.5728,
61.4257

■ 62.5102, 64.3189,
72.2539

■ 71.2183, 68.5514,
84.2564

■ 80.5075, 73.0578,
97.4462

Harmonies

Analogous

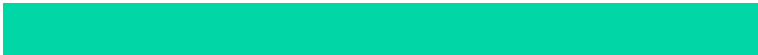
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.3029, 47.2400, 9.1575



27.1678, 47.2400, 18.9956



23.8575, 47.2400, 43.8300

Triad

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



27.1678, 47.2400, 18.9956



42.1592, 47.2400, 165.1023



72.8341, 47.2400, 27.0754

Complementary

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



27.1678, 47.2400, 18.9956



36.3802, 20.9623, 45.3100

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.



75.6732, 47.2400, 59.8753



27.1678, 47.2400, 18.9956



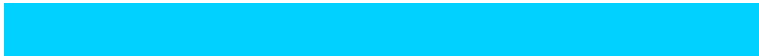
56.0960, 47.2400, 152.7701

Square

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



27.1678, 47.2400, 18.9956



31.3323, 47.2400, 136.7996



69.0382, 47.2400, 108.5146



61.9092, 47.2400, 11.9357

Rectangle

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



27.1678, 47.2400, 18.9956



24.2444, 47.2400, 71.0497



69.0382, 47.2400, 108.5146



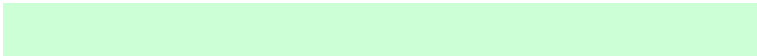
74.8455, 47.2400, 35.8119

Sweetspot

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



27.1690, 47.2419, 18.9967



72.8344, 89.2264, 77.1854



42.5008, 55.2710, 14.0589



15.0246, 18.8247, 15.6905



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.



27.1690, 47.2419, 18.9967



39.0612, 72.9982, 22.1783



31.9219, 49.1431, 44.0255



11.7523, 13.2447, 13.0520



14.3454, 28.2311, 6.1991



0.8311, 1.5901, 0.4991

Inverse Universe

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



36.3802, 20.9623, 45.3100



54.5493, 28.4778, 66.1766



30.9946, 18.8081, 16.9499



12.2045, 11.9665, 14.3526



20.5432, 10.0901, 23.5645



1.1752, 0.5748, 1.4573

Previews

White Background



This preview shows how the XYZ color 27.1678, 47.2400, 18.9956 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 27.1678, 47.2400, 18.9956 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 27.1678, 47.2400, 18.9956

Background



This preview shows how black text looks on a background with the XYZ color 27.1678, 47.2400, 18.9956.

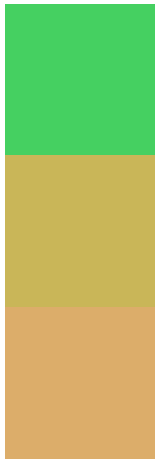


This preview shows how white text looks on a background with the XYZ color 27.1678, 47.2400,

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

27.1678, 47.2400, 18.9956

Protanopia

42.5768, 46.5780, 15.9789

Deuteranopia

47.0603, 46.1434, 20.0619



Tritanopia

37.2171, 47.1169, 69.4203

Trichromacy



Original Color

27.1678, 47.2400, 18.9956



Protanomaly

33.6560, 44.7892, 16.7689



Deuteranomaly

35.5241, 44.0964, 19.4711



Tritanomaly

32.2244, 46.4350, 45.2947

Monochromacy



Original Color

27.1678, 47.2400, 18.9956



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

27.5381, 36.1765, 27.7217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1678, 47.2400, 18.9956 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(69, 208, 97)` looks like.

```
.text, #text, p{  
    color:rgb(69, 208, 97)  
}
```

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(69, 208, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 208, 97) }
```

Border

The CSS property to change the border of an element to XYZ 27.1678, 47.2400, 18.9956 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(69, 208, 97) }
```


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

```
.border{ border-color:rgb(69, 208, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 208, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(69, 208, 97); -webkit-box-shadow:4px 4px 4px 4px rgb(69, 208, 97); box-shadow:4px 4px 4px 4px rgb(69, 208, 97) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1678, 47.2400, 18.9956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 208, 97) }
```

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

```
.background{ background-color: rgb(69, 208,  
97) }
```

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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