

Converting Colors

XYZ(24.4065, 45.2995, 13.3474)

Have a look what the booklet for
XYZ(24.4065, 45.2995, 13.3474)
contains.

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Color

**XYZ(24.3809, 45.2019,
13.4011)**

Conversions

Conversions Part 1

Format	Color
Hex	2FCE47
RGB	47, 206, 71
RGB Percent	18%, 81%, 28%
CMY	0.8157, 0.1921, 0.7216
CMYK	0.77, 0.00, 0.66, 0.19
HSL	129°, 63%, 50%
HSV	129°, 77%, 81%
XYZ	24.3809, 45.2019, 13.4011
YIQ	143.0690, -51.4290, -75.6930

Conversions

Conversions Part 2

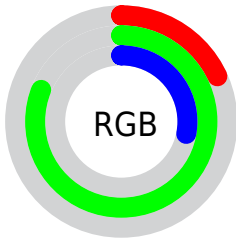
Format	Color
RYB	47, 185, 206
Decimal	3132999
CIELab	73.02, -66.03, 54.01
CIELCh	73, 85.306, 140.722
Yxy	45.2019, 0.2938, 0.5447
Android (android.graphics.Color)	4281323079 (0xFF2FCE47)
YUV	143.0690, -35.5300, -84.2525
Hunter-Lab	67.2324, -52.9260, 35.2447

Details

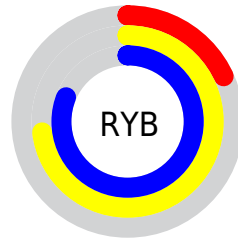
The XYZ color **24.3809, 45.2019, 13.4011** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **34.9146, 18.5327, 45.9926**, and the grayscale version is **26.2891, 27.6582, 30.1197**.

A 20% lighter version of the original color is **47.0694, 76.9226, 31.7688**, and **10.9392, 21.8258, 3.8086** is the 20% darker color. If you saturate the color by 10%, you get **23.1630, 44.6312, 10.8244**, and if you desaturate by 10%, it is **26.2104, 46.0719, 16.8517**.

Distribution



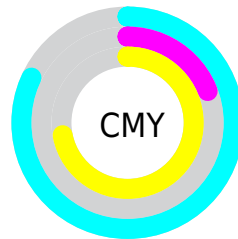
- Red (18%)
- Green (81%)
- Blue (28%)



- Red (18%)
- Yellow (73%)
- Blue (81%)



- Cyan (77%)
- Magenta (0%)
- Yellow (66%)
- Black (19%)



- Cyan (82%)
- Magenta (19%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3809, 45.2019, 13.4011 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 24.3809, 45.2019, 13.4011 by changing the saturation by 10% instead.

■ 24.3809, 45.2019,
13.4011

■ 24.3809, 45.2019,
13.4011

267.1454,
367.5906, 224.7699

■ 15.7427, 31.6165,
7.5714

■ 50.1012, 83.0233,
32.7242

■ 9.4319, 21.0687,
3.7381

■ 67.9140, 108.0281,
47.0547

■ 5.0833, 13.1743,
1.4828

■ 89.5158, 137.6081,
65.0557

■ 2.3315, 7.5486,
0.2051

■ 115.2718,
172.1478, 87.1460

■ 0.8107, 3.8075,
0.0000

■ 145.5474,
212.0314, 113.7440

■ 0.0000, 1.5665,
0.0000

180.7079,

■ 0.0000, 0.3348,

257.6436, 145.2683

0.0000

221.1188,
309.3685, 182.1374

■ 0.0000, 0.0000,
0.0000

■ 24.3809, 45.2019,
13.4011

■ 24.3809, 45.2019,
13.4011

■ 23.1630, 44.6312,
10.8244

■ 26.2104, 46.0719,
16.8517

■ 22.4636, 44.3094,
9.0396


■ 28.7165, 47.2693,
21.2420


■ 22.3209, 44.2439,
8.6667

■ 31.9595, 48.8251,
26.6351


■ 35.9918, 50.7651,
33.0877

■ 40.8612, 53.1130,
40.6523

 46.6115, 55.8902,
49.3779

 53.2836, 59.1169,
59.3105

 60.9156, 62.8117,
70.4936

 69.5437, 66.9925,
82.9688

Harmonies

Analogous

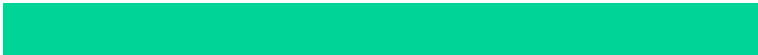
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



33.6011, 45.2019, 5.4491



24.3809, 45.2019, 13.4011



20.4352, 45.2019, 37.1371

Triad

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



24.3809, 45.2019, 13.4011



38.5071, 45.2019, 182.7486



75.7214, 45.2019, 25.5168

Complementary

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



24.3809, 45.2019, 13.4011



34.9146, 18.5327, 45.9926

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.



77.8997, 45.2019, 63.6682



24.3809, 45.2019, 13.4011



53.9200, 45.2019, 172.7801

Square

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



24.3809, 45.2019, 13.4011



27.2564, 45.2019, 143.9867



69.1790, 45.2019, 121.5916



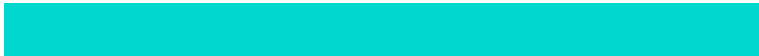
63.7758, 45.2019, 9.1043

Rectangle

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



24.3809, 45.2019, 13.4011



20.5117, 45.2019, 66.1173



69.1790, 45.2019, 121.5916



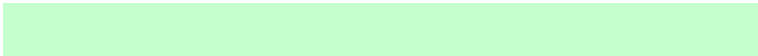
77.7133, 45.2019, 35.4743

Sweetspot

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



24.3820, 45.2038, 13.4021



69.6602, 87.7204, 71.1472



41.9129, 54.3134, 10.9638



14.2143, 18.4399, 14.1657



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.



24.3820, 45.2038, 13.4021



36.6644, 71.9102, 15.3950



28.7780, 46.9622, 36.5510



11.1359, 12.5641, 12.2732



13.7665, 27.2519, 5.4556



0.7328, 1.4149, 0.4003

Inverse Universe

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



34.9146, 18.5327, 45.9926



54.2661, 26.8127, 69.4697



28.9019, 16.1277, 14.3300



11.6119, 11.3735, 13.7570



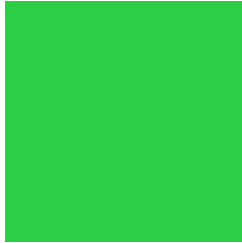
20.4610, 9.9950, 25.9438



1.0758, 0.5237, 1.4450

Previews

White Background



This preview shows how the XYZ color 24.3809, 45.2019, 13.4011 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 24.3809, 45.2019, 13.4011 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 24.3809, 45.2019, 13.4011

Background



This preview shows how black text looks on a background with the XYZ color 24.3809, 45.2019, 13.4011.



This preview shows how white text looks on a background with the XYZ color 24.3809, 45.2019,

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

24.3809, 45.2019, 13.4011

Protanopia

40.3708, 44.3418, 11.1337

Deuteranopia

44.9627, 44.0605, 14.3184



Tritanopia

34.9693, 45.0212, 66.5214

Trichromacy



Original Color

24.3809, 45.2019, 13.4011



Protanomaly

30.4682, 42.2891, 11.7110



Deuteranomaly

31.8495, 41.0883, 13.6493



Tritanomaly

29.3461, 44.3933, 39.3698

Monochromacy



Original Color

24.3809, 45.2019, 13.4011



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

23.0314, 31.7449, 21.7431

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3809, 45.2019, 13.4011 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(47, 206, 71)` looks like.

```
.text, #text, p{  
    color:rgb(47, 206, 71)  
}
```

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(47, 206, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 206, 71) }
```

Border

The CSS property to change the border of an element to XYZ 24.3809, 45.2019, 13.4011 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(47, 206, 71) }
```


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

```
.border{ border-color:rgb(47, 206, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 206, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 206, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 206, 71);  
box-shadow:4px 4px 4px 4px rgb(47, 206,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3809, 45.2019, 13.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 206, 71) }
```

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

```
.background{ background-color: rgb(47, 206,  
71) }
```

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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