

Converting Colors

XYZ(24.6089, 43.7792, 19.0415)

Have a look what the booklet for
XYZ(24.6089, 43.7792, 19.0415)
contains.

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Color

**XYZ(24.5916, 43.7703,
18.9568)**

Conversions

Conversions Part 1

Format	Color
Hex	30CA63
RGB	48, 202, 99
RGB Percent	19%, 79%, 39%
CMY	0.8118, 0.2078, 0.6118
CMYK	0.76, 0.00, 0.51, 0.21
HSL	140°, 62%, 49%
HSV	140°, 76%, 79%
XYZ	24.5916, 43.7703, 18.9568
YIQ	144.2120, -58.7210, -64.6810

Conversions

Conversions Part 2

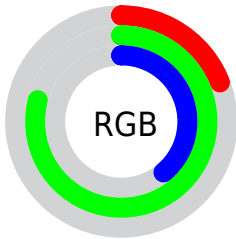
Format	Color
R_{YB}	48, 164, 202
Decimal	3197539
CIE _{Lab}	72.07, -61.03, 40.18
CIE _{LCh}	72, 73.064, 146.642
Yxy	43.7703, 0.2816, 0.5013
Android (android.graphics.Color)	4281387619 (0xFF30CA63)
YUV	144.2120, -22.2895, -84.3779
Hunter-Lab	66.1591, -49.4293, 29.3228

Details

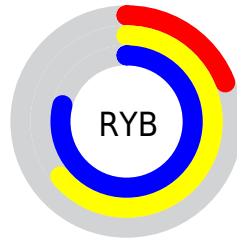
The XYZ color **24.5916, 43.7703, 18.9568** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **31.0013, 16.9056, 30.9087**, and the grayscale version is **26.6998, 28.0903, 30.5903**.

A 20% lighter version of the original color is **48.8987, 77.6386, 42.1143**, and **10.8333, 20.7795, 6.3456** is the 20% darker color. If you saturate the color by 10%, you get **23.2542, 43.1506, 15.8005**, and if you desaturate by 10%, it is **26.4728, 44.6603, 22.7046**.

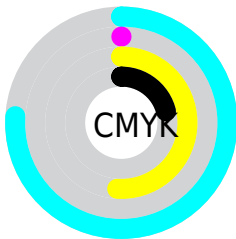
Distribution



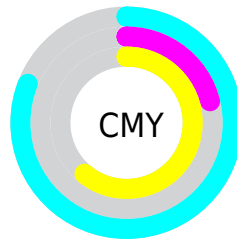
- Red (19%)
- Green (79%)
- Blue (39%)



- Red (19%)
- Yellow (64%)
- Blue (79%)



- Cyan (76%)
- Magenta (0%)
- Yellow (51%)
- Black (21%)



- Cyan (81%)
- Magenta (21%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5916, 43.7703, 18.9568 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 24.5916, 43.7703, 18.9568 by changing the saturation by 10% instead.

■ 24.5916, 43.7703,
18.9568

■ 24.5916, 43.7703,
18.9568

268.1832,
361.7701, 258.6249

■ 15.9002, 30.4900,
11.4626

■ 50.4416, 80.8720,
42.4968

■ 9.5439, 20.2108,
6.2608

■ 68.3308, 105.4621,
59.3797

■ 5.1576, 12.5484,
2.9330

■ 90.0167, 134.5910,
80.2292

■ 2.3757, 7.1183,
1.0605

■ 115.8646,
168.6430, 105.4638

■ 0.8330, 3.5362,
0.0000

■ 146.2398,
208.0025, 135.5022

■ 0.0000, 1.4177,
0.0000

181.5078,

■ 0.0000, 0.2297,

253.0539, 170.7628

0.0000

222.0338,
304.1817, 211.6642

■ 0.0000, 0.0000,
0.0000

■ 24.5916, 43.7703,
18.9568

■ 24.5916, 43.7703,
18.9568

■ 23.2542, 43.1506,
15.8005

■ 26.4728, 44.6603,
22.7046

■ 22.3856, 42.7594,
13.2013

■ 28.9516, 45.8442,
27.0697

■ 22.1314, 42.6468,
12.3593

■ 32.0788, 47.3486,
32.0799

■ 35.8984, 49.1959,
37.7604

■ 40.4507, 51.4063,
44.1348

■ 45.7725, 53.9984,
51.2259

■ 51.8984, 56.9895,
59.0551

■ 58.8607, 60.3958,
67.6431

■ 66.6899, 64.2327,
77.0097

Harmonies

Analogous

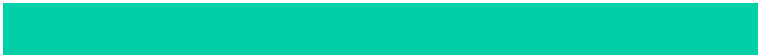
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.7340, 43.7703, 8.8230



24.5916, 43.7703, 18.9568



21.9352, 43.7703, 43.7416

Triad

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



24.5916, 43.7703, 18.9568



40.2112, 43.7703, 154.6007



66.9776, 43.7703, 22.9875

Complementary

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



24.5916, 43.7703, 18.9568



31.0013, 16.9056, 30.9087

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.



70.4838, 43.7703, 51.8024



24.5916, 43.7703, 18.9568



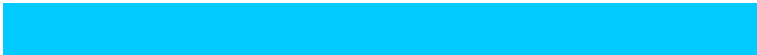
53.3299, 43.7703, 139.3822

Square

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



24.5916, 43.7703, 18.9568



29.7428, 43.7703, 131.3032



65.0636, 43.7703, 96.3757



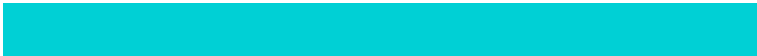
56.2575, 43.7703, 10.1976

Rectangle

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



24.5916, 43.7703, 18.9568



22.5710, 43.7703, 70.1998



65.0636, 43.7703, 96.3757



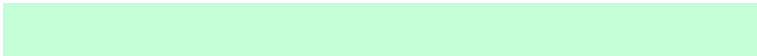
69.1213, 43.7703, 30.5468

Sweetspot

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



24.5927, 43.7721, 18.9578



70.9814, 88.2489, 78.1046



34.8365, 49.2515, 10.4670



14.5274, 18.5651, 15.8142



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.



24.5927, 43.7721, 18.9578



38.4027, 72.6178, 23.9979



29.9580, 45.9182, 47.2111



11.2187, 12.5972, 12.7091



14.2778, 27.4564, 8.1479



0.7717, 1.4305, 0.6051

Inverse Universe

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



31.0013, 16.9056, 30.9087



49.5966, 25.0913, 44.4287



26.7279, 15.1963, 8.4050



11.5234, 11.3381, 13.2910



18.5350, 9.2246, 15.8018



0.9904, 0.4896, 0.9953

Previews

White Background



This preview shows how the XYZ color 24.5916, 43.7703, 18.9568 looks on a white background.

Color Contrast Check

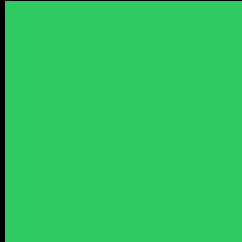
Large Text (above 18pt) WCAG AA × Fail

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 24.5916, 43.7703, 18.9568 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

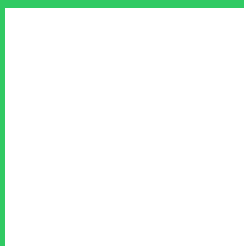
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.5916, 43.7703, 18.9568

Background



This preview shows how black text looks on a background with the XYZ color 24.5916, 43.7703, 18.9568.



This preview shows how white text looks on a background with the XYZ color 24.5916, 43.7703,

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

24.5916, 43.7703, 18.9568

Protanopia

39.1678, 42.7356, 15.8573

Deuteranopia

43.6769, 42.7172, 20.1306



Tritanopia

33.6739, 43.4070, 64.9961

Trichromacy



Original Color

24.5916, 43.7703, 18.9568



Protanomaly

30.1400, 41.0637, 16.6935



Deuteranomaly

31.8200, 40.3378, 19.4735



Tritanomaly

29.0909, 42.8294, 43.2929

Monochromacy



Original Color

24.5916, 43.7703, 18.9568



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.6581, 31.7200, 25.2977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5916, 43.7703, 18.9568 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(48, 202, 99)` looks like.

```
.text, #text, p{  
    color:rgb(48, 202, 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(48, 202, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 202, 99) }
```

Border

The CSS property to change the border of an element to XYZ 24.5916, 43.7703, 18.9568 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(48, 202, 99) }
```


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

```
.border{ border-color:rgb(48, 202, 99) }
```

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

Here you see how a box with a 4 pixel rgb(48, 202, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 202, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 202, 99);  
box-shadow:4px 4px 4px 4px rgb(48, 202,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5916, 43.7703, 18.9568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 202, 99) }
```

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

```
.background{ background-color: rgb(48, 202,  
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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