

Converting Colors

XYZ(23.6426, 42.1742, 13.4335)

Have a look what the booklet for
XYZ(23.6426, 42.1742, 13.4335)
contains.

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Color

**XYZ(23.5445, 41.9726,
13.3392)**

Conversions

Conversions Part 1

Format	Color
Hex	40C64A
RGB	64, 198, 74
RGB Percent	25%, 78%, 29%
CMY	0.7490, 0.2235, 0.7098
CMYK	0.68, 0.00, 0.63, 0.22
HSL	124°, 54%, 51%
HSV	124°, 68%, 78%
XYZ	23.5445, 41.9726, 13.3392
YIQ	143.7980, -40.0600, -66.9720

Conversions

Conversions Part 2

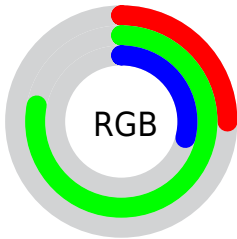
Format	Color
RYB	64, 189, 198
Decimal	4245066
CIELab	70.85, -60.34, 50.41
CIELCh	71, 78.632, 140.124
Yxy	41.9726, 0.2986, 0.5323
Android (android.graphics.Color)	4282435146 (0xFF40C64A)
YUV	143.7980, -34.4104, -69.9828
Hunter-Lab	64.7863, -48.5058, 33.1428

Details

The XYZ color **23.5445, 41.9726, 13.3392** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **34.2003, 19.3040, 49.5009**, and the grayscale version is **26.5745, 27.9585, 30.4468**.

A 20% lighter version of the original color is **48.4929, 77.6415, 32.5091**, and **9.9160, 19.6823, 3.7667** is the 20% darker color. If you saturate the color by 10%, you get **21.9483, 41.2122, 10.4986**, and if you desaturate by 10%, it is **25.7794, 43.0439, 17.1498**.

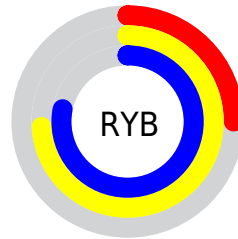
Distribution



Red (25%)

Green (78%)

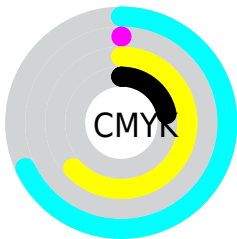
Blue (29%)



Red (25%)

Yellow (74%)

Blue (78%)

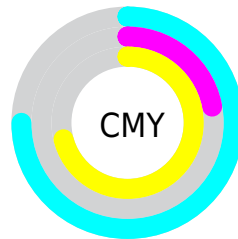


Cyan (68%)

Magenta (0%)

Yellow (63%)

Black (22%)



Cyan (75%)

Magenta (22%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5445, 41.9726, 13.3392 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 23.5445, 41.9726, 13.3392 by changing the saturation by 10% instead.

■ 23.5445, 41.9726,
13.3392

■ 23.5445, 41.9726,
13.3392

262.9929,
354.3693, 224.3639

■ 15.1190, 29.0798,
7.5291

■ 48.7460, 78.1582,
32.6119

■ 8.9898, 19.1412,
3.7117

■ 66.2526, 102.2197,
46.9116

■ 4.7916, 11.7724,
1.4686

■ 87.5170, 130.7730,
64.8782

■ 2.1590, 6.5889,
0.1943

■ 112.9046,
164.2025, 86.9302

■ 0.7210, 3.2063,
0.0000

■ 142.7806,
202.8924, 113.4863

■ 0.0000, 1.2404,
0.0000

177.5104,

■ 0.0000, 0.0943,

247.2273, 144.9649

0.0000

217.4594,
297.5915, 181.7846

■ 0.0000, 0.0000,
0.0000

■ 23.5445, 41.9726,
13.3392

■ 23.5445, 41.9726,
13.3392

■ 21.9483, 41.2122,
10.4986

■ 25.7794, 43.0439,
17.1498

■ 20.9208, 40.7248,
8.5380

■ 28.7076, 44.4491,
22.0042


■ 20.3704, 40.4667,
7.3550


■ 32.3815, 46.2147,
27.9724


■ 20.2796, 40.4237,
7.1775


■ 36.8472, 48.3634,
35.1176

■ 42.1475, 50.9158,
43.4981

 48.3218, 53.8911,
53.1685

 55.4072, 57.3074,
64.1799

 63.4386, 61.1815,
76.5810

 72.4490, 65.5296,
90.4177

Harmonies

Analogous

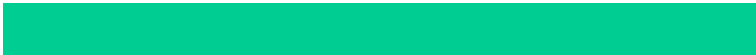
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.8549, 41.9726, 5.9542



23.5445, 41.9726, 13.3392



19.8993, 41.9726, 34.4315

Triad

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



23.5445, 41.9726, 13.3392



35.7355, 41.9726, 159.6476



68.4583, 41.9726, 25.1370

Complementary

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



23.5445, 41.9726, 13.3392



34.2003, 19.3040, 49.5009

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.



70.1376, 41.9726, 59.1949



23.5445, 41.9726, 13.3392



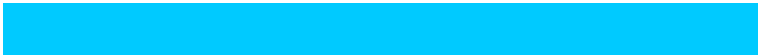
49.1825, 41.9726, 152.1070

Square

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



23.5445, 41.9726, 13.3392



25.8498, 41.9726, 126.2072



62.4623, 41.9726, 109.1418



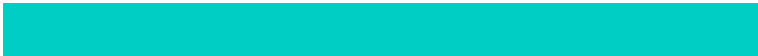
58.2783, 41.9726, 9.7249

Rectangle

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



23.5445, 41.9726, 13.3392



19.9112, 41.9726, 59.5598



62.4623, 41.9726, 109.1418



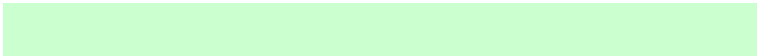
70.1101, 41.9726, 34.1784

Sweetspot

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



23.5455, 41.9743, 13.3401



72.0233, 88.9019, 72.9139



42.1241, 51.5878, 12.5879



14.8342, 18.7485, 14.6876



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.



23.5455, 41.9743, 13.3401



37.9219, 72.5280, 16.8315



27.0382, 43.3714, 31.7326



10.5291, 11.9005, 11.4702



13.2002, 26.2925, 4.7329



0.6364, 1.2495, 0.2842

Inverse Universe

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



34.2003, 19.3040, 49.5009



57.9815, 29.6773, 84.7849



28.6402, 17.0800, 20.2220



11.0476, 10.8024, 13.2340



20.7326, 10.0426, 30.1313



0.9921, 0.4797, 1.4817

Previews

White Background



This preview shows how the XYZ color 23.5445, 41.9726, 13.3392 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 23.5445, 41.9726, 13.3392 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 23.5445, 41.9726, 13.3392

Background



This preview shows how black text looks on a background with the XYZ color 23.5445, 41.9726, 13.3392.



This preview shows how white text looks on a background with the XYZ color 23.5445, 41.9726,

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

23.5445, 41.9726, 13.3392

Protanopia

37.5039, 41.1168, 11.2699

Deuteranopia

42.0271, 41.1881, 14.1225



Tritanopia

32.9199, 41.5207, 60.9228

Trichromacy



Original Color

23.5445, 41.9726, 13.3392



Protanomaly

29.3064, 39.5097, 11.8759



Deuteranomaly

31.0739, 38.8990, 13.4599



Tritanomaly

28.0839, 41.1384, 37.0322

Monochromacy



Original Color

23.5445, 41.9726, 13.3392



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

23.6755, 31.5277, 22.2904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5445, 41.9726, 13.3392 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(64, 198, 74)` looks like.

```
.text, #text, p{  
    color:rgb(64, 198, 74)  
}
```

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(64, 198, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 198, 74) }
```

Border

The CSS property to change the border of an element to XYZ 23.5445, 41.9726, 13.3392 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(64, 198, 74) }
```


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

```
.border{ border-color:rgb(64, 198, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 198, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 198, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 198, 74);  
box-shadow:4px 4px 4px 4px rgb(64, 198,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5445, 41.9726, 13.3392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 198, 74) }
```

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

```
.background{ background-color: rgb(64, 198,  
74) }
```

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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