

Converting Colors

XYZ(23.0324, 39.9544, 16.8540)

Have a look what the booklet for
XYZ(23.0324, 39.9544, 16.8540)
contains.

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Color

**XYZ(23.0324, 39.9544,
16.8540)**

Conversions

Conversions Part 1

Format	Color
Hex	3EC15D
RGB	62, 193, 93
RGB Percent	24%, 76%, 36%
CMY	0.7569, 0.2431, 0.6353
CMYK	0.68, 0.00, 0.52, 0.24
HSL	134°, 51%, 50%
HSV	134°, 68%, 76%
XYZ	23.0324, 39.9544, 16.8540
YIQ	142.4310, -45.9760, -58.8720

Conversions

Conversions Part 2

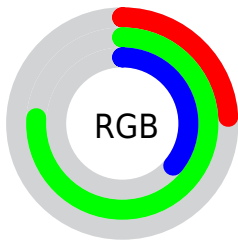
Format	Color
RYB	62, 168, 193
Decimal	4112733
CIELab	69.44, -56.54, 39.92
CIELCh	69, 69.212, 144.776
Yxy	39.9544, 0.2885, 0.5004
Android (android.graphics.Color)	4282302813 (0xFF3EC15D)
YUV	142.4310, -24.3695, -70.5380
Hunter-Lab	63.2095, -45.5744, 28.4377

Details

The XYZ color **23.0324, 39.9544, 16.8540** 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 **30.2378, 17.3921, 35.9469**, and the grayscale version is **25.9897, 27.3432, 29.7768**.

A 20% lighter version of the original color is **48.0655, 75.3987, 38.8081**, and **9.5245, 18.3514, 5.3257** is the 20% darker color. If you saturate the color by 10%, you get **21.4394, 39.2026, 13.6955**, and if you desaturate by 10%, it is **25.1828, 40.9813, 20.6967**.

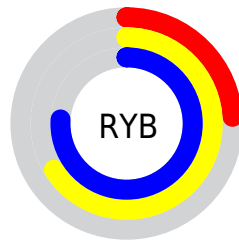
Distribution



Red (24%)

Green (76%)

Blue (36%)



Red (24%)

Yellow (66%)

Blue (76%)

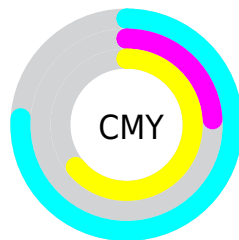


Cyan (68%)

Magenta (0%)

Yellow (52%)

Black (24%)



Cyan (76%)


Magenta (24%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.0324, 39.9544, 16.8540 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 23.0324, 39.9544, 16.8540 by changing the saturation by 10% instead.


 23.0324, 39.9544,
16.8540


 23.0324, 39.9544,
16.8540


260.4236,
345.9313, 246.3450


 14.7383, 27.5030,
9.9696


 47.9128, 75.0941,
38.8618


 8.7210, 17.9513,
5.2735


 65.2297, 98.5511,
54.8222


 4.6153, 10.9151,
2.3471


 86.2850, 126.4455,
74.6451

 2.0558, 6.0097,
0.7574

 111.4440,
159.1616, 98.7490

 0.6650, 2.8510,
0.0000

 141.0719,
197.0839, 127.5524

 0.0000, 1.0544,
0.0000

175.5343,

 0.0000, 0.0000,

240.5967, 161.4738

0.0000

215.1964,
290.0843, 200.9319

■ 23.0324, 39.9544,
16.8540

■ 23.0324, 39.9544,
16.8540

■ 21.4394, 39.2026,
13.6955

■ 25.1828, 40.9813,
20.6967

■ 20.3456, 38.6933,
11.1779

■ 27.9352, 42.3021,
25.2578

■ 19.6723, 38.3880,
9.2569

■ 31.3329, 43.9396,
30.5727

■ 19.5575, 38.3362,
8.9200

■ 35.4144, 45.9128,
36.6734

■ 40.2150, 48.2395,
43.5901

■ 45.7676, 50.9360,
51.3515

■ 52.1031, 54.0175,
59.9848

■ 59.2506, 57.4986,
69.5161

■ 67.2376, 61.3930,
79.9703

Harmonies

Analogous

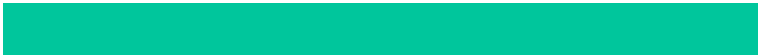
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



29.6908, 39.9544, 8.2013



23.0324, 39.9544, 16.8540



20.3947, 39.9544, 38.1553

Triad

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



23.0324, 39.9544, 16.8540



36.0590, 39.9544, 137.5990



60.9222, 39.9544, 22.5338

Complementary

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



23.0324, 39.9544, 16.8540



30.2378, 17.3921, 35.9469

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.



63.5377, 39.9544, 49.3296



23.0324, 39.9544, 16.8540



47.6735, 39.9544, 126.3098

Square

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



23.0324, 39.9544, 16.8540



26.9161, 39.9544, 115.2832



58.2893, 39.9544, 89.3231



51.7123, 39.9544, 10.1775

Rectangle

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



23.0324, 39.9544, 16.8540



20.8065, 39.9544, 61.0912



58.2893, 39.9544, 89.3231



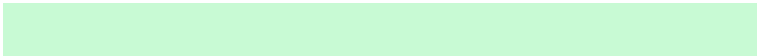
62.6692, 39.9544, 29.6638

Sweetspot

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



23.0334, 39.9560, 16.8549



69.8044, 85.3182, 74.9095



34.9294, 46.2165, 11.6374



14.4438, 18.0459, 15.3075



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.0334, 39.9560, 16.8549



37.4321, 69.7581, 22.4097



27.2350, 41.6367, 38.9805



10.0400, 11.2970, 11.2137



13.0339, 25.5076, 6.0717



0.5910, 1.1133, 0.4090

Inverse Universe

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



30.2378, 17.3921, 35.9469



51.0849, 26.6414, 58.3260



25.8706, 15.6453, 12.9499



10.3921, 10.2054, 12.1551



18.1797, 8.9616, 19.3902



0.8108, 0.3973, 0.9710

Previews

White Background



This preview shows how the XYZ color 23.0324, 39.9544, 16.8540 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 23.0324, 39.9544, 16.8540 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 23.0324, 39.9544, 16.8540

Background



This preview shows how black text looks on a background with the XYZ color 23.0324, 39.9544, 16.8540.



This preview shows how white text looks on a background with the XYZ color 23.0324, 39.9544,

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

23.0324, 39.9544, 16.8540

Protanopia

35.8920, 39.1002, 14.2497

Deuteranopia

39.9957, 39.2667, 17.7831



Tritanopia

31.3078, 39.8211, 58.2607

Trichromacy



Original Color

23.0324, 39.9544, 16.8540



Protanomaly

28.4681, 37.8116, 15.0305



Deuteranomaly

30.0971, 37.4444, 17.1965



Tritanomaly

27.2966, 39.4149, 38.9700

Monochromacy



Original Color

23.0324, 39.9544, 16.8540



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.1930, 30.4557, 23.7249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0324, 39.9544, 16.8540 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(62, 193, 93)` looks like.

```
.text, #text, p{  
    color:rgb(62, 193, 93)  
}
```

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(62, 193, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 193, 93) }
```

Border

The CSS property to change the border of an element to XYZ 23.0324, 39.9544, 16.8540 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(62, 193, 93) }
```


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

```
.border{ border-color:rgb(62, 193, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 193, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 193, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 193, 93);  
box-shadow:4px 4px 4px 4px rgb(62, 193,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0324, 39.9544, 16.8540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 193, 93) }
```

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

```
.background{ background-color: rgb(62, 193,  
93) }
```

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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