

Converting Colors

XYZ(24.1940, 39.6386, 16.7652)

Have a look what the booklet for
XYZ(24.1940, 39.6386, 16.7652)
contains.

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Color

**XYZ(24.1356, 39.5485,
16.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	55BE5D
RGB	85, 190, 93
RGB Percent	33%, 75%, 36%
CMY	0.6667, 0.2549, 0.6353
CMYK	0.55, 0.00, 0.51, 0.25
HSL	125°, 45%, 54%
HSV	125°, 55%, 75%
XYZ	24.1356, 39.5485, 16.7175
YIQ	147.5470, -31.4430, -52.4270

Conversions

Conversions Part 2

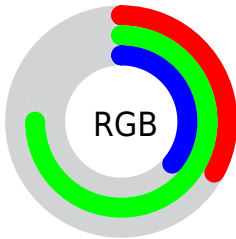
Format	Color
RYB	85, 183, 190
Decimal	5619293
CIELab	69.15, -50.39, 39.71
CIELCh	69, 64.155, 141.759
Yxy	39.5485, 0.3002, 0.4919
Android (android.graphics.Color)	4283809373 (0xFF55BE5D)
YUV	147.5470, -26.8917, -54.8537
Hunter-Lab	62.8876, -41.5469, 28.2602

Details

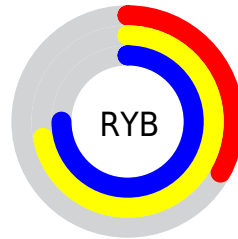
The XYZ color **24.1356, 39.5485, 16.7175** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **32.9284, 20.8223, 46.5408**, and the grayscale version is **28.0783, 29.5406, 32.1697**.

A 20% lighter version of the original color is **49.6993, 74.4055, 38.5303**, and **9.3654, 17.8473, 5.2368** is the 20% darker color. If you saturate the color by 10%, you get **21.9465, 38.5009, 13.0124**, and if you desaturate by 10%, it is **26.9682, 40.9095, 21.3858**.

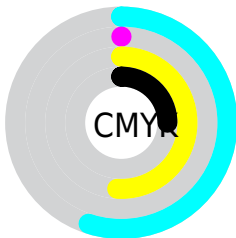
Distribution



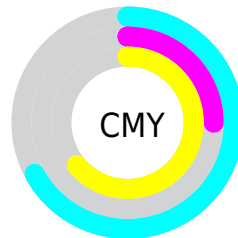
- Red (33%)
- Green (75%)
- Blue (36%)



- Red (33%)
- Yellow (72%)
- Blue (75%)



- Cyan (55%)
- Magenta (0%)
- Yellow (51%)
- Black (25%)





- Cyan (67%)
- Magenta (25%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.1356, 39.5485, 16.7175 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 24.1356, 39.5485, 16.7175 by changing the saturation by 10% instead.


 24.1356, 39.5485,
16.7175


 24.1356, 39.5485,
16.7175


265.9331,
344.2169, 245.5277


 15.5595, 27.1867,
9.8735


 49.7045, 74.4755,
38.6234

 9.3019, 17.7135,
5.2106


 67.4279, 97.8095,
54.5223

 4.9973, 10.7445,
2.3105


 88.9313, 125.5696,
74.2766

 2.2804, 5.8953,
0.7371

 114.5798,
158.1404, 98.3048

 0.7846, 2.7815,
0.0000

144.7389,
195.9060, 127.0255

 0.0000, 1.0188,
0.0000

179.7739,

 0.0000, 0.0000,

239.2511, 160.8572

0.0000

220.0502,
288.5599, 200.2184

■ 24.1356, 39.5485,
16.7175

■ 24.1356, 39.5485,
16.7175

■ 21.9465, 38.5009,
13.0124

■ 26.9682, 40.9095,
21.3858

■ 20.3477, 37.7372,
10.2009

■ 30.4863, 42.6009,
27.0753

■ 19.2820, 37.2309,
8.2084

■ 34.7319, 44.6442,
33.8424

■ 18.6795, 36.9475,
6.9468

■ 39.7427, 47.0578,
41.7388

■ 18.4968, 36.8614,
6.5728

■ 45.5538, 49.8587,
50.8127

■ 52.1981, 53.0629,
61.1096

■ 59.7068, 56.6856,
72.6725

■ 68.1092, 60.7411,
85.5424

■ 77.0629, 65.0519,
99.7411

Harmonies

Analogous

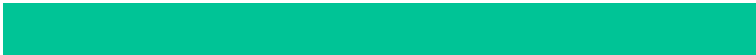
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



30.7455, 39.5485, 9.0308



24.1356, 39.5485, 16.7175



21.2612, 39.5485, 35.4657

Triad

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



24.1356, 39.5485, 16.7175



34.8343, 39.5485, 126.5818



59.0308, 39.5485, 25.3409

Complementary

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



24.1356, 39.5485, 16.7175



32.9284, 20.8223, 46.5408

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.



60.6682, 39.5485, 51.6713



24.1356, 39.5485, 16.7175



45.3808, 39.5485, 119.6545

Square

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



24.1356, 39.5485, 16.7175



26.6608, 39.5485, 104.3624



55.2950, 39.5485, 88.3102



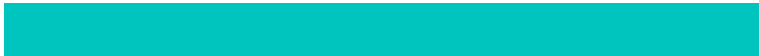
51.1589, 39.5485, 12.1990

Rectangle

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



24.1356, 39.5485, 16.7175



21.4052, 39.5485, 55.6218



55.2950, 39.5485, 88.3102



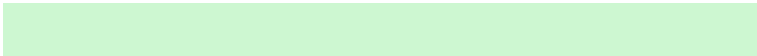
60.3795, 39.5485, 32.5507

Sweetspot

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



24.1366, 39.5501, 16.7184



70.0751, 84.3367, 72.5858



39.5832, 47.5520, 15.6869



14.9699, 18.3182, 15.2819



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.



24.1366, 39.5501, 16.7184



39.1691, 69.4797, 22.5433



27.2332, 40.7888, 33.0251



9.4375, 10.6611, 10.2874



12.3106, 24.5145, 4.4323



0.4924, 0.9643, 0.2271

Inverse Universe

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



32.9284, 20.8223, 46.5408



56.6418, 32.1868, 81.7566



28.5478, 19.0701, 23.4726



9.8977, 9.6834, 11.8505



19.3126, 9.3562, 28.0037



0.7659, 0.3703, 1.1466

Previews

White Background



This preview shows how the XYZ color 24.1356, 39.5485, 16.7175 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 24.1356, 39.5485, 16.7175 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 24.1356, 39.5485, 16.7175

Background



This preview shows how black text looks on a background with the XYZ color 24.1356, 39.5485, 16.7175.



This preview shows how white text looks on a background with the XYZ color 24.1356, 39.5485,

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

24.1356, 39.5485, 16.7175

Protanopia

35.6499, 38.9754, 14.2384

Deuteranopia

39.5484, 38.7777, 17.7123



Tritanopia

32.0524, 39.3417, 56.3564

Trichromacy



Original Color

24.1356, 39.5485, 16.7175



Protanomaly

29.6812, 38.1448, 15.0308



Deuteranomaly

31.2647, 37.4812, 17.1421



Tritanomaly

28.2748, 39.0106, 37.9379

Monochromacy



Original Color

24.1356, 39.5485, 16.7175



Achromatopsia

28.1479, 29.6138, 32.2495



Achromatomaly

25.4509, 32.1129, 25.2791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1356, 39.5485, 16.7175 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(85, 190, 93)` looks like.

```
.text, #text, p{  
    color:rgb(85, 190, 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(85, 190, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 190, 93) }
```

Border

The CSS property to change the border of an element to XYZ 24.1356, 39.5485, 16.7175 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(85, 190, 93) }
```


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

```
.border{ border-color:rgb(85, 190, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 190, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 190, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 190, 93);  
box-shadow:4px 4px 4px 4px rgb(85, 190,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1356, 39.5485, 16.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 190, 93) }
```

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

```
.background{ background-color: rgb(85, 190,  
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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