

Converting Colors

XYZ(34.6597, 49.4819, 20.5619)

Have a look what the booklet for
XYZ(34.6597, 49.4819, 20.5619)
contains.

XYZ(34.6885, 49.6540, 20.5879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.6885, 49.6540,
20.5879)**

Conversions

Conversions Part 1

Format	Color
Hex	8BCC67
RGB	139, 204, 103
RGB Percent	55%, 80%, 40%
CMY	0.4549, 0.2000, 0.5961
CMYK	0.32, 0.00, 0.50, 0.20
HSL	99°, 50%, 60%
HSV	99°, 50%, 80%
XYZ	34.6885, 49.6540, 20.5879
YIQ	173.0510, -6.3190, -45.1910

Conversions

Conversions Part 2

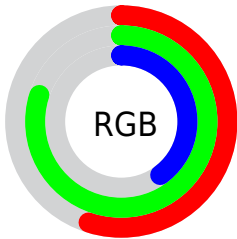
Format	Color
RYB	103, 204, 168
Decimal	9161831
CIELab	75.86, -38.62, 43.58
CIElCh	76, 58.228, 131.544
Yxy	49.6540, 0.3306, 0.4732
Android (android.graphics.Color)	4287351911 (0xFF8BCC67)
YUV	173.0510, -34.5351, -29.8627
Hunter-Lab	70.4656, -35.4436, 32.0032

Details

The XYZ color **34.6885, 49.6540, 20.5879** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **31.9002, 22.3866, 59.7692**, and the grayscale version is **39.9206, 41.9995, 45.7375**.

A 20% lighter version of the original color is **64.2664, 85.5224, 44.5728**, and **15.1136, 23.6741, 7.0218** is the 20% darker color. If you saturate the color by 10%, you get **31.7250, 48.2320, 15.7410**, and if you desaturate by 10%, it is **38.1676, 51.3159, 26.7649**.

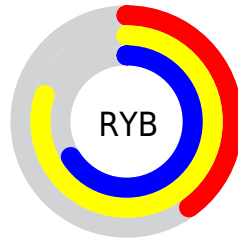
Distribution



Red (55%)

Green (80%)

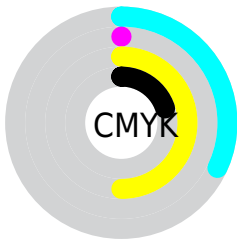
Blue (40%)



Red (40%)

Yellow (80%)

Blue (66%)

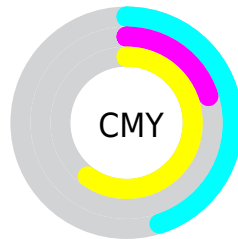


Cyan (32%)

Magenta (0%)

Yellow (50%)

Black (20%)



Cyan (45%)


Magenta (20%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.6885, 49.6540, 20.5879 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 34.6885, 49.6540, 20.5879 by changing the saturation by 10% instead.


 34.6885, 49.6540,
20.5879


 34.6885, 49.6540,
20.5879


314.7234,
385.3113, 267.7890

 23.5884, 35.1386,
12.6348


 66.3401, 89.6620,
45.2725


 15.1517, 23.7696,
7.0498


 87.6224, 115.9234,
62.8411

 9.0129, 15.1628,
3.4143


 113.0294,
146.8688, 84.4520

 4.8068, 8.9337,
1.3099

 142.9265,
182.8828, 110.5236

 2.1679, 4.6980,
0.0699

177.6791,
224.3496, 141.4746

 0.7258, 2.0712,
0.0000

217.6526,

 0.0000, 0.6483,

271.6537, 177.7235

0.0000

263.2122,
325.1795, 219.6887

■ 0.0000, 0.0000,
0.0000

■ 34.6885, 49.6540,
20.5879

■ 34.6885, 49.6540,
20.5879

■ 31.7250, 48.2320,
15.7410

■ 38.1676, 51.3159,
26.7649

■ 29.2457, 47.0314,
12.1231

■ 42.1840, 53.2226,
34.3567

■ 27.2209, 46.0408,
9.6240


■ 46.7627, 55.3866,
43.4448


■ 25.6152, 45.2448,
8.1122


■ 51.9258, 57.8177,
54.1036


■ 24.3738, 44.6203,
7.3567


■ 57.6940, 60.5251,
66.4026

 24.3195, 44.5929,
7.3255

 64.0871, 63.5175,
80.4069

 71.1240, 66.8034,
96.1785

 76.9652, 69.6477,
103.9946

 80.8839, 71.6678,
104.1780

Harmonies

Analogous

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



43.1490, 49.6540, 14.1577



34.6885, 49.6540, 20.5879



30.0706, 49.6540, 37.2986

Triad

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



34.6885, 49.6540, 20.5879



40.9051, 49.6540, 132.6519



70.6763, 49.6540, 42.9873

Complementary

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



34.6885, 49.6540, 20.5879



31.9002, 22.3866, 59.7692

Split Complementary

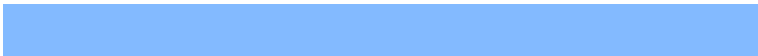
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



69.8293, 49.6540, 75.2254



34.6885, 49.6540, 20.5879



51.4855, 49.6540, 136.0655

Square

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



34.6885, 49.6540, 20.5879



33.2629, 49.6540, 104.0404



62.3945, 49.6540, 112.1049



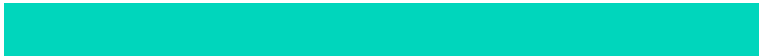
64.5571, 49.6540, 23.3757

Rectangle

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



34.6885, 49.6540, 20.5879



29.2901, 49.6540, 55.6878



62.3945, 49.6540, 112.1049



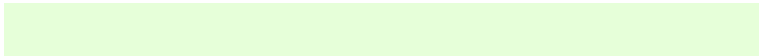
71.2192, 49.6540, 52.4736

Sweetspot

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



34.6897, 49.6561, 20.5890



81.0079, 93.4031, 79.2343



41.1647, 41.4440, 18.6626



16.9561, 19.8117, 16.1740



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.



34.6897, 49.6561, 20.5890



52.4209, 79.8171, 25.8870



30.3676, 47.3435, 24.2043



11.4391, 12.7282, 11.9333



15.3988, 28.1137, 4.6149



0.8766, 1.4927, 0.2419

Inverse Universe

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



31.9002, 22.3866, 59.7692



47.2454, 29.7019, 97.8507



39.1067, 26.2803, 52.0353



11.2846, 11.1960, 14.1367



12.8846, 5.8498, 36.4063



0.7454, 0.3434, 1.8819

Previews

White Background



This preview shows how the XYZ color 34.6885, 49.6540, 20.5879 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 34.6885, 49.6540, 20.5879 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 34.6885, 49.6540, 20.5879

Background



This preview shows how black text looks on a background with the XYZ color 34.6885, 49.6540, 20.5879.



This preview shows how white text looks on a background with the XYZ color 34.6885, 49.6540,

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

34.6885, 49.6540, 20.5879

Protanopia

44.8934, 48.9600, 18.3934

Deuteranopia

50.0989, 49.1353, 21.5954



Tritanopia

43.9451, 49.3213, 66.8783

Trichromacy



Original Color

34.6885, 49.6540, 20.5879



Protanomaly

40.3782, 48.8645, 19.1080



Deuteranomaly

42.6723, 48.0715, 20.9396



Tritanomaly

39.5733, 48.8662, 45.3766

Monochromacy



Original Color

34.6885, 49.6540, 20.5879



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

37.1837, 43.9962, 34.5493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6885, 49.6540, 20.5879 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(139, 204, 103)` looks like.

```
.text, #text, p{  
    color:rgb(139, 204, 103)  
}
```

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(139, 204, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 204, 103) }
```

Border

The CSS property to change the border of an element to XYZ 34.6885, 49.6540, 20.5879 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(139, 204, 103) }
```


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

```
.border{ border-color:rgb(139, 204, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 204, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 204, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 204, 103);  
box-shadow:4px 4px 4px 4px rgb(139, 204,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6885, 49.6540, 20.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 204, 103) }
```

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

```
.background{ background-color: rgb(139,  
204, 103) }
```

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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