

Converting Colors

XYZ(34.6716, 49.9452, 20.0122)

Have a look what the booklet for
XYZ(34.6716, 49.9452, 20.0122)
contains.

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Color

**XYZ(34.6615, 50.0055,
20.1371)**

Conversions

Conversions Part 1

Format	Color
Hex	8ACD65
RGB	138, 205, 101
RGB Percent	54%, 80%, 40%
CMY	0.4588, 0.1961, 0.6039
CMYK	0.33, 0.00, 0.51, 0.20
HSL	99°, 51%, 60%
HSV	99°, 51%, 80%
XYZ	34.6615, 50.0055, 20.1371
YIQ	173.1110, -6.5480, -46.5480

Conversions

Conversions Part 2

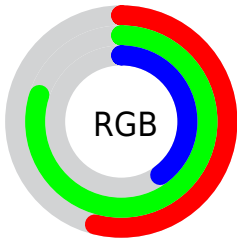
Format	Color
RYB	101, 205, 168
Decimal	9096549
CIELab	76.07, -39.64, 44.80
CIELCh	76, 59.819, 131.506
Yxy	50.0055, 0.3307, 0.4771
Android (android.graphics.Color)	4287286629 (0xFF8ACD65)
YUV	173.1110, -35.5507, -30.7923
Hunter-Lab	70.7146, -36.2568, 32.6164

Details

The XYZ color **34.6615, 50.0055, 20.1371** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **31.8239, 22.0415, 60.3375**, and the grayscale version is **39.9563, 42.0372, 45.7785**.

A 20% lighter version of the original color is **63.8409, 85.3224, 43.6760**, and **15.1382, 23.9278, 6.8383** is the 20% darker color. If you saturate the color by 10%, you get **31.7261, 48.5957, 15.3949**, and if you desaturate by 10%, it is **38.1156, 51.6568, 26.2133**.

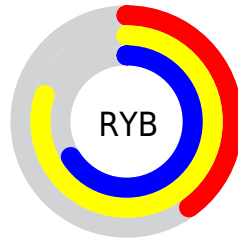
Distribution



Red (54%)

Green (80%)

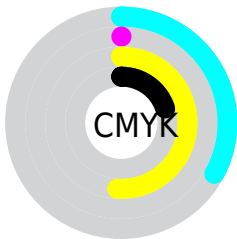
Blue (40%)



Red (40%)

Yellow (80%)

Blue (66%)

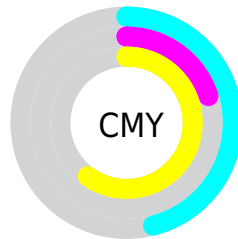


Cyan (33%)

Magenta (0%)

Yellow (51%)

Black (20%)



Cyan (46%)

Magenta (20%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6615, 50.0055, 20.1371 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 34.6615, 50.0055, 20.1371 by changing the saturation by 10% instead.

■ 34.6615, 50.0055,
20.1371

■ 34.6615, 50.0055,
20.1371

314.6059,
386.6875, 265.2851

■ 23.5675, 35.4178,
12.3097

■ 66.2985, 90.1830,
44.5089

■ 15.1361, 23.9849,
6.8299

■ 87.5723, 116.5416,
61.8904

■ 9.0019, 15.3224,
3.2791

■ 112.9701,
147.5926, 83.2936

■ 4.7996, 9.0460,
1.2388

■ 142.8571,
183.7204, 109.1371

■ 2.1637, 4.7712,
0.0109

177.5989,
225.3094, 139.8395

■ 0.7235, 2.1136,
0.0000

217.5607,

■ 0.0000, 0.6723,

272.7439, 175.8193

0.0000

263.1080,
326.4085, 217.4950

■ 0.0000, 0.0000,
0.0000

■ 34.6615, 50.0055,
20.1371

■ 34.6615, 50.0055,
20.1371

■ 31.7261, 48.5957,
15.3949

■ 38.1156, 51.6568,
26.2133

■ 29.2774, 47.4086,
11.8829

■ 42.1109, 53.5546,
33.7103

■ 27.2847, 46.4323,
9.4876

■ 46.6726, 55.7118,
42.7114

■ 25.7116, 45.6510,
8.0725

■ 51.8234, 58.1383,
53.2927

■ 24.5745, 45.0784,
7.4058

■ 57.5845, 60.8435,
65.5249

■ 63.9762, 63.8363,
79.4747

■ 71.0174, 67.1253,
95.2048

■ 77.0732, 70.0573,
104.0680

■ 81.1224, 72.1447,
104.2575

Harmonies

Analogous

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



43.3694, 50.0055, 13.6633



34.6615, 50.0055, 20.1371



29.9216, 50.0055, 37.1640

Triad

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



34.6615, 50.0055, 20.1371



41.0322, 50.0055, 136.1640



71.8522, 50.0055, 43.0697

Complementary

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



34.6615, 50.0055, 20.1371



31.8239, 22.0415, 60.3375

Split Complementary

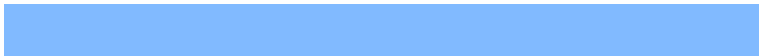
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.9628, 50.0055, 76.3984



34.6615, 50.0055, 20.1371



51.9458, 50.0055, 139.7730

Square

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



34.6615, 50.0055, 20.1371



33.1823, 50.0055, 106.2706



63.2412, 50.0055, 114.7731



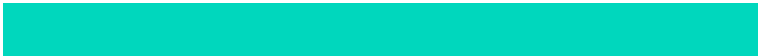
65.5087, 50.0055, 22.9960

Rectangle

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



34.6615, 50.0055, 20.1371



29.1190, 50.0055, 56.0811



63.2412, 50.0055, 114.7731



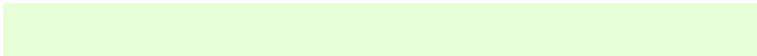
72.4127, 50.0055, 52.8459

Sweetspot

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



34.6627, 50.0077, 20.1382



80.9997, 93.3989, 79.2339



41.3222, 41.5094, 18.1469



16.9542, 19.8107, 16.1739



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.



34.6627, 50.0077, 20.1382



51.5100, 79.3768, 24.5239



30.2865, 47.6664, 23.7847



11.4384, 12.7279, 11.9333



15.3923, 28.1103, 4.6146



0.8762, 1.4925, 0.2419

Inverse Universe

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



31.8239, 22.0415, 60.3375



46.2847, 28.4625, 97.6621



39.2511, 26.0553, 52.3300



11.2853, 11.1964, 14.1367



12.8978, 5.8566, 36.4069



0.7461, 0.3437, 1.8820

Previews

White Background



This preview shows how the XYZ color 34.6615, 50.0055, 20.1371 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 34.6615, 50.0055, 20.1371 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 34.6615, 50.0055, 20.1371

Background



This preview shows how black text looks on a background with the XYZ color 34.6615, 50.0055, 20.1371.



This preview shows how white text looks on a background with the XYZ color 34.6615, 50.0055,

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

34.6615, 50.0055, 20.1371

Protanopia

45.2895, 49.4887, 17.9917

Deuteranopia

50.3057, 49.2544, 21.0430



Tritanopia

44.0962, 49.7119, 67.5928

Trichromacy



Original Color

34.6615, 50.0055, 20.1371

Protanomaly

40.5055, 49.2704, 18.6845

Deuteranomaly

43.0387, 48.5885, 20.4747

Tritanomaly

39.6164, 49.2243, 45.4435

Monochromacy



Original Color

34.6615, 50.0055, 20.1371

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

37.1126, 44.2781, 34.1942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6615, 50.0055, 20.1371 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(138, 205, 101)` looks like.

```
.text, #text, p{  
    color:rgb(138, 205, 101)  
}
```

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(138, 205, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 205, 101) }
```

Border

The CSS property to change the border of an element to XYZ 34.6615, 50.0055, 20.1371 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(138, 205, 101) }
```


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

```
.border{ border-color:rgb(138, 205, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 205, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 205, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 205, 101);  
box-shadow:4px 4px 4px 4px rgb(138, 205,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6615, 50.0055, 20.1371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 205, 101) }
```

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

```
.background{ background-color: rgb(138,  
205, 101) }
```

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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