

Converting Colors

XYZ(34.4099, 46.0155, 21.5198)

Have a look what the booklet for
XYZ(34.4099, 46.0155, 21.5198)
contains.

XYZ(34.4465, 46.0773, 21.5463)	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(34.4465, 46.0773,
21.5463)**

Conversions

Conversions Part 1

Format	Color
Hex	95C26D
RGB	149, 194, 109
RGB Percent	58%, 76%, 43%
CMY	0.4157, 0.2392, 0.5725
CMYK	0.23, 0.00, 0.44, 0.24
HSL	92°, 41%, 59%
HSV	92°, 44%, 76%
XYZ	34.4465, 46.0773, 21.5463
YIQ	170.8550, 0.4650, -35.9750

Conversions

Conversions Part 2

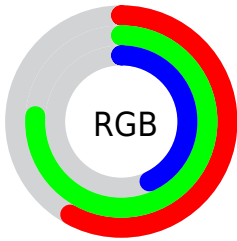
Format	Color
RYB	109, 194, 154
Decimal	9814637
CIELab	73.60, -29.71, 37.93
CIELCh	74, 48.176, 128.068
Yxy	46.0773, 0.3375, 0.4514
Android (android.graphics.Color)	4288004717 (0xFF95C26D)
YUV	170.8550, -30.4945, -19.1668
Hunter-Lab	67.8803, -28.2089, 28.6966

Details

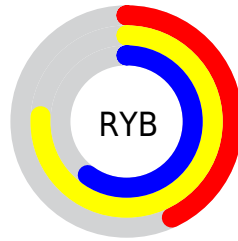
The XYZ color **34.4465, 46.0773, 21.5463** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.5348, 21.7038, 53.7269**, and the grayscale version is **38.7850, 40.8048, 44.4365**.

A 20% lighter version of the original color is **66.1956, 84.5821, 47.0195**, and **14.9914, 21.5587, 7.5088** is the 20% darker color. If you saturate the color by 10%, you get **31.7235, 44.7826, 16.5562**, and if you desaturate by 10%, it is **37.5676, 47.5534, 27.7601**.

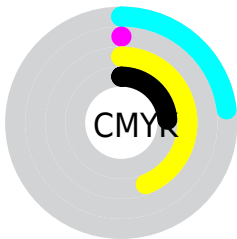
Distribution



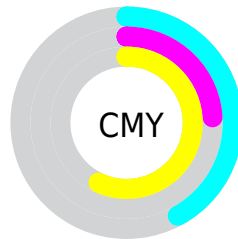
- Red (58%)
- Green (76%)
- Blue (43%)



- Red (43%)
- Yellow (76%)
- Blue (60%)



- Cyan (23%)
- Magenta (0%)
- Yellow (44%)
- Black (24%)





- Cyan (42%)
- Magenta (24%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.4465, 46.0773, 21.5463 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 34.4465, 46.0773, 21.5463 by changing the saturation by 10% instead.


 34.4465, 46.0773,
21.5463


 34.4465, 46.0773,
21.5463


313.6694,
371.1193, 273.0435

 23.4013, 32.3068,
13.3288


 65.9671, 84.3347,
46.8875


 15.0125, 21.5960,
7.5220


 87.1733, 109.5904,
64.8483

 8.9145, 13.5603,
3.7073


 112.4971,
139.4432, 86.8939

 4.7421, 7.8155,
1.4662

 142.3040,
174.2777, 113.4429

 2.1300, 3.9771,
0.1925

176.9594,
214.4782, 144.9138

 0.7054, 1.6608,
0.0000

216.8285,

 0.0000, 0.3981,

260.4290, 181.7252

0.0000

262.2767,
312.5146, 224.2956

■ 0.0000, 0.0000,
0.0000

■ 34.4465, 46.0773,
21.5463

■ 34.4465, 46.0773,
21.5463

■ 31.7235, 44.7826,
16.5562

■ 37.5676, 47.5534,
27.7601

■ 29.3756, 43.6550,
12.7058

■ 41.1015, 49.2127,
35.2681

■ 27.3823, 42.6874,
9.9053


■ 45.0660, 51.0642,
44.1392

■ 25.7192, 41.8693,
8.0502


■ 49.4769, 53.1148,
54.4363


■ 24.3576, 41.1889,
7.0143


■ 54.3491, 55.3708,
66.2186

 23.6356, 40.8244,
6.6342

 59.6967, 57.8382,
79.5418

 65.5333, 60.5230,
94.4588

 70.3536, 62.8233,
103.0258

 73.7704, 64.5847,
103.1857

Harmonies

Analogous

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



41.5349, 46.0773, 16.5687



34.4465, 46.0773, 21.5463



30.2827, 46.0773, 34.6008

Triad

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



34.4465, 46.0773, 21.5463



37.9540, 46.0773, 107.5247



62.1098, 46.0773, 43.8667

Complementary

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



34.4465, 46.0773, 21.5463



28.5348, 21.7038, 53.7269

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.



60.8262, 46.0773, 69.8245



34.4465, 46.0773, 21.5463



46.1358, 46.0773, 112.4737

Square

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



34.4465, 46.0773, 21.5463



32.1173, 46.0773, 85.0356



54.6984, 46.0773, 96.9415



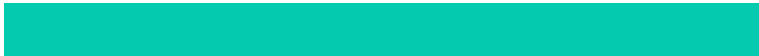
58.0075, 46.0773, 26.4364

Rectangle

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



34.4465, 46.0773, 21.5463



29.3718, 46.0773, 48.6042



54.6984, 46.0773, 96.9415



62.3030, 46.0773, 51.7698

Sweetspot

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



34.4476, 46.0793, 21.5473



82.1068, 92.7264, 81.0250



36.3879, 35.3305, 19.3703



17.6090, 20.1330, 16.8955



0.0000, 0.0000, 0.0000



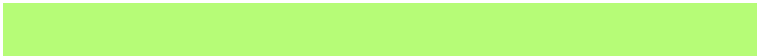
20.3446, 21.4041, 23.3091

Same Dimension

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



34.4476, 46.0793, 21.5473



57.4602, 81.1250, 29.9735



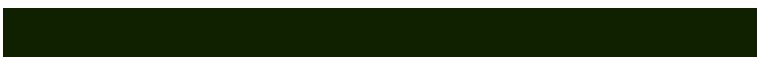
28.4371, 42.9719, 21.6674



10.3850, 11.4859, 10.7315



15.6321, 26.8875, 4.3659



0.7549, 1.2027, 0.1924

Inverse Universe

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



28.5348, 21.7038, 53.7269



45.3060, 31.0495, 96.0751



37.2979, 26.2396, 53.3103



10.0259, 10.0045, 12.6875



10.1537, 4.4948, 33.8890



0.5178, 0.2350, 1.4679

Previews

White Background



This preview shows how the XYZ color 34.4465, 46.0773, 21.5463 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 34.4465, 46.0773, 21.5463 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 34.4465, 46.0773, 21.5463

Background



This preview shows how black text looks on a background with the XYZ color 34.4465, 46.0773, 21.5463.



This preview shows how white text looks on a background with the XYZ color 34.4465, 46.0773,

21.5463.

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

34.4465, 46.0773, 21.5463

Protanopia

42.1087, 45.6478, 19.6882

Deuteranopia

46.4051, 45.4717, 22.2507



Tritanopia

42.2338, 46.0396, 60.0866

Trichromacy



Original Color

34.4465, 46.0773, 21.5463

Protanomaly

38.7729, 45.4418, 20.3633

Deuteranomaly

40.9841, 45.0188, 21.8586

Tritanomaly

38.7708, 45.8877, 42.8902

Monochromacy



Original Color

34.4465, 46.0773, 21.5463

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

36.5697, 42.1648, 34.2282

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4465, 46.0773, 21.5463 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(149, 194, 109)` looks like.

```
.text, #text, p{  
    color:rgb(149, 194, 109)  
}
```

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(149, 194, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 194, 109) }
```

Border

The CSS property to change the border of an element to XYZ 34.4465, 46.0773, 21.5463 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(149, 194, 109) }
```


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

```
.border{ border-color:rgb(149, 194, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 194, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 194, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 194, 109);  
box-shadow:4px 4px 4px 4px rgb(149, 194,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4465, 46.0773, 21.5463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 194, 109) }
```

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

```
.background{ background-color: rgb(149,  
194, 109) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor