

Converting Colors

$Yxy(49.9773, 0.3560, 0.4518)$

Have a look what the booklet for
Yxy(49.9773, 0.3560, 0.4518)
contains.

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Color

Yxy(49.9748, 0.3561, 0.4520)

Conversions

Conversions Part 1

Format	Color
Hex	AAC66A
RGB	170, 198, 106
RGB Percent	67%, 78%, 42%
CMY	0.3334, 0.2235, 0.5842
CMYK	0.14, 0.00, 0.46, 0.22
HSL	78°, 45%, 60%
HSV	78°, 46%, 78%
XYZ	39.3717, 49.9748, 21.2172
YIQ	179.1400, 12.8440, -34.5480

Conversions

Conversions Part 2

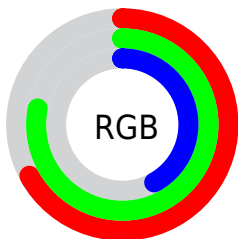
Format	Color
RYB	106, 198, 134
Decimal	11191914
CIELab	76.05, -24.06, 42.76
CIELCh	76, 49.067, 119.365
Yxy	49.9748, 0.3561, 0.4520
Android (android.graphics.Color)	4289381994 (0xFFAAC66A)
YUV	179.1400, -36.0580, -8.0158
Hunter-Lab	70.6929, -24.2986, 31.6902

Details

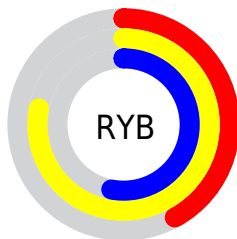
The Yxy color **49.9748, 0.3561, 0.4520** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **19.4680, 0.2506, 0.1937**, and the grayscale version is **45.3499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3541, 0.3503, 0.4294**, and **23.9354, 0.3639, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **48.9543, 0.3628, 0.4777**, and if you desaturate by 10%, it is **51.1258, 0.3479, 0.4249**.

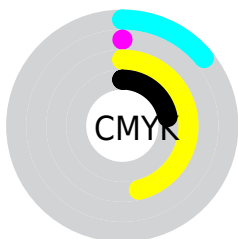
Distribution



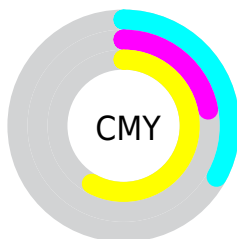
- Red (67%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (53%)



- Cyan (14%)
- Magenta (0%)
- Yellow (46%)
- Black (22%)



- Cyan (33%)
- Magenta (22%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9748, 0.3561, 0.4520 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 Yxy color 49.9748, 0.3561, 0.4520 by changing the saturation by 10% instead.


 49.9748, 0.3561,
0.4520

 49.9748, 0.3561,
0.4520


386.5674, 0.3372,
0.3895

 35.3934, 0.3597,
0.4675


 90.1375, 0.3500,
0.4293

 23.9661, 0.3634,
0.4870


 116.4876, 0.3475,
0.4207

 15.3084, 0.3670,
0.5123


 147.5294, 0.3453,
0.4135

 9.0361, 0.3691,
0.5457

 183.6473, 0.3433,
0.4073

 4.7648, 0.3754,
0.6055

225.2256, 0.3415,
0.4020

 2.1099, 0.3487,
0.6513

272.6488, 0.3399,

 0.6702, 0.0689,

0.3973

0.9311

326.3013, 0.3385,
0.3932

0.0000, 0.0000,
0.0000

49.9748, 0.3561,
0.4520

49.9748, 0.3561,
0.4520

48.9543, 0.3628,
0.4777

51.1258, 0.3479,
0.4249

48.0504, 0.3676,
0.5007

52.4069, 0.3386,
0.3974

47.2576, 0.3700,
0.5200

53.8264, 0.3289,
0.3705


46.5667, 0.3699,
0.5346

55.3897, 0.3190,
0.3447


45.9660, 0.3674,
0.5445


57.1019, 0.3093,
0.3206

 45.7664, 0.3663,
0.5474

 58.9679, 0.2999,
0.2984

 60.9924, 0.2910,
0.2781

 62.5563, 0.2887,
0.2686

 63.5051, 0.2929,
0.2693

Harmonies

Analogous

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



49.9748, 0.4125, 0.4323



49.9748, 0.3561, 0.4520



49.9748, 0.2912, 0.4293

Triad

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



49.9748, 0.3561, 0.4520



49.9748, 0.1959, 0.2505



49.9748, 0.3910, 0.2900

Complementary

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



49.9748, 0.3561, 0.4520



19.4680, 0.2506, 0.1937

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.



49.9748, 0.3238, 0.2515



49.9748, 0.3561, 0.4520



49.9748, 0.2156, 0.2278

Square

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



49.9748, 0.3561, 0.4520



49.9748, 0.2022, 0.2996



49.9748, 0.2600, 0.2293



49.9748, 0.4370, 0.3382

Rectangle

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



49.9748, 0.3561, 0.4520



49.9748, 0.2520, 0.3911



49.9748, 0.2600, 0.2293



49.9748, 0.3697, 0.2757

Sweetspot

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



49.9770, 0.3561, 0.4520



95.9050, 0.3267, 0.3646



29.9966, 0.4192, 0.3659



20.4025, 0.3289, 0.3703



0.0000, 0.0000, 0.0000



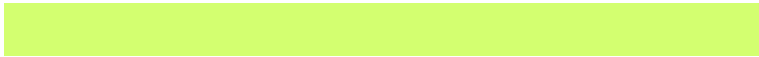
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9770, 0.3561, 0.4520



86.6145, 0.3631, 0.4786



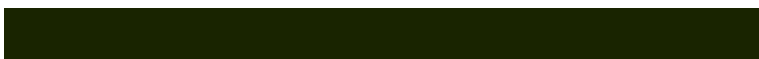
45.7506, 0.3189, 0.4680



12.2486, 0.3219, 0.3521



29.8071, 0.3670, 0.5468



1.4481, 0.3782, 0.5379

Inverse Universe

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



19.4680, 0.2506, 0.1937



25.8923, 0.2330, 0.1608



24.0512, 0.2979, 0.2102



10.4416, 0.3029, 0.3054



3.3229, 0.1716, 0.0719



0.1959, 0.1953, 0.0850

Previews

White Background



This preview shows how the Yxy color 49.9748, 0.3561, 0.4520 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 Yxy color 49.9748, 0.3561, 0.4520 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

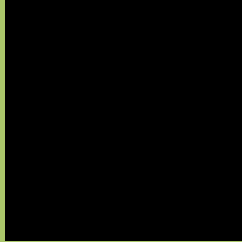
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9748, 0.3561, 0.4520

Background



This preview shows how black text looks on a background with the Yxy color 49.9748, 0.3561, 0.4520.



This preview shows how white text looks on a background with the Yxy color 49.9748, 0.3561, 0.4520.

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

49.9748, 0.3561, 0.4520

Protanopia

49.6218, 0.3968, 0.4315

Deuteranopia

49.7188, 0.4141, 0.4064



Tritanopia

49.7500, 0.2975, 0.3101

Trichromacy



Original Color

49.9748, 0.3561, 0.4520

Protanomaly

49.5783, 0.3819, 0.4396

Deuteranomaly

49.3437, 0.3922, 0.4228

Tritanomaly

49.5166, 0.3203, 0.3607

Monochromacy



Original Color

49.9748, 0.3561, 0.4520

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.6149, 0.3309, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9748, 0.3561, 0.4520 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(170, 198, 106)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 106)  
}
```

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(170, 198, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 106) }
```

Border

The CSS property to change the border of an element to Yxy 49.9748, 0.3561, 0.4520 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(170, 198, 106) }
```

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

```
.border{ border-color:rgb(170, 198, 106) }
```

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

Here you see how a box with a 4 pixel rgb(170, 198, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 106);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9748, 0.3561, 0.4520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 106) }
```

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

```
.background{ background-color: rgb(170,  
198, 106) }
```

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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