

Converting Colors

Yxy(47.7248, 0.3152, 0.4538)

Have a look what the booklet for
Yxy(47.7248, 0.3152, 0.4538)
contains.

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Color

Yxy(47.7248, 0.3152, 0.4538)

Conversions

Conversions Part 1

Format	Color
Hex	81C975
RGB	129, 201, 117
RGB Percent	51%, 79%, 46%
CMY	0.4942, 0.2117, 0.5412
CMYK	0.36, 0.00, 0.42, 0.21
HSL	111°, 44%, 62%
HSV	111°, 42%, 79%
XYZ	33.1486, 47.7248, 24.2936
YIQ	169.8960, -15.9480, -41.3880

Conversions

Conversions Part 2

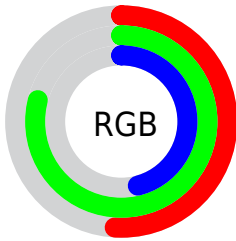
Format	Color
RYB	117, 201, 189
Decimal	8505717
CIELab	74.65, -38.79, 34.99
CIELCh	75, 52.239, 137.946
Yxy	47.7248, 0.3152, 0.4538
Android (android.graphics.Color)	4286695797 (0xFF81C975)
YUV	169.8960, -26.0777, -35.8658
Hunter-Lab	69.0831, -35.2446, 27.5084

Details

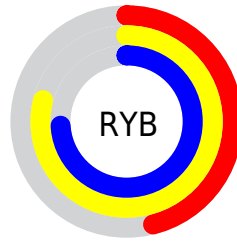
The Yxy color **47.7248, 0.3152, 0.4538** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **27.7620, 0.3049, 0.2234**, and the grayscale version is **40.2812, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6126, 0.3164, 0.4264**, and **22.4589, 0.3116, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **46.0662, 0.3146, 0.4881**, and if you desaturate by 10%, it is **49.7166, 0.3152, 0.4201**.

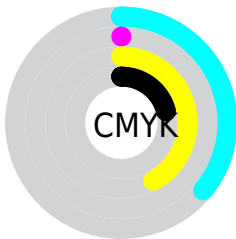
Distribution



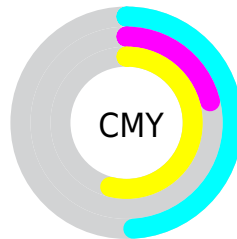
- Red (51%)
- Green (79%)
- Blue (46%)



- Red (46%)
- Yellow (79%)
- Blue (74%)



- Cyan (36%)
- Magenta (0%)
- Yellow (42%)
- Black (21%)



- Cyan (49%)
- Magenta (21%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.7248, 0.3152, 0.4538 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 47.7248, 0.3152, 0.4538 by changing the saturation by 10% instead.


 47.7248, 0.3152,
0.4538

 47.7248, 0.3152,
0.4538


377.7003, 0.3164,
0.3881

 33.6090, 0.3140,
0.4711


 86.7945, 0.3163,
0.4292

 22.5934, 0.3118,
0.4936


 112.5172, 0.3165,
0.4202

 14.2936, 0.3077,
0.5242


 142.8777, 0.3166,
0.4126

 8.3251, 0.2998,
0.5672

178.2603, 0.3166,
0.4062

 4.3037, 0.2857,
0.6367

219.0495, 0.3166,
0.4007

 1.8448, 0.2438,
0.7562

265.6296, 0.3166,

 0.5149, 0.0000,

0.3959

1.0000

318.3851, 0.3165,
0.3918

0.0000, 0.0000,
0.0000

47.7248, 0.3152,
0.4538

47.7248, 0.3152,
0.4538

46.0662, 0.3146,
0.4881

49.7166, 0.3152,
0.4201

44.7167, 0.3134,
0.5211

52.0520, 0.3147,
0.3883

43.6586, 0.3114,
0.5504


54.7486, 0.3139,
0.3593

42.8699, 0.3089,
0.5737

57.8209, 0.3129,
0.3333

42.3252, 0.3060,
0.5893

61.2826, 0.3118,
0.3104

 42.0332, 0.3038,
0.5970

 65.1467, 0.3106,
0.2904

 69.2502, 0.3113,
0.2755

 70.2567, 0.3152,
0.2762

Harmonies

Analogous

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



47.7248, 0.3837, 0.4580



47.7248, 0.3152, 0.4538



47.7248, 0.2496, 0.3999

Triad

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



47.7248, 0.3152, 0.4538



47.7248, 0.1977, 0.2264



47.7248, 0.4325, 0.3178

Complementary

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



47.7248, 0.3152, 0.4538



27.7620, 0.3049, 0.2234

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.



47.7248, 0.3707, 0.2697



47.7248, 0.3152, 0.4538



47.7248, 0.2350, 0.2190

Square

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



47.7248, 0.3152, 0.4538



47.7248, 0.1871, 0.2608



47.7248, 0.2965, 0.2348



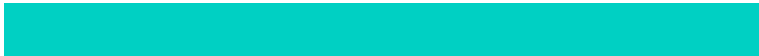
47.7248, 0.4567, 0.3715

Rectangle

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



47.7248, 0.3152, 0.4538



47.7248, 0.2165, 0.3487



47.7248, 0.2965, 0.2348



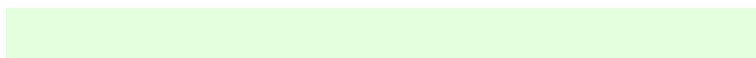
47.7248, 0.4151, 0.3008

Sweetspot

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



47.7268, 0.3152, 0.4538



93.0483, 0.3140, 0.3631



49.8431, 0.3804, 0.4179



19.6875, 0.3142, 0.3695



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.



47.7268, 0.3152, 0.4538



79.1476, 0.3147, 0.4844



47.6465, 0.2886, 0.4112



11.9592, 0.3137, 0.3527



26.4509, 0.3043, 0.5966



1.2765, 0.3156, 0.5876

Inverse Universe

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



27.7620, 0.3049, 0.2234



40.5007, 0.3024, 0.2022



28.1045, 0.3498, 0.2597



10.7370, 0.3115, 0.3061



8.2202, 0.2855, 0.1346



0.4108, 0.2933, 0.1389

Previews

White Background



This preview shows how the Yxy color 47.7248, 0.3152, 0.4538 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 47.7248, 0.3152, 0.4538 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

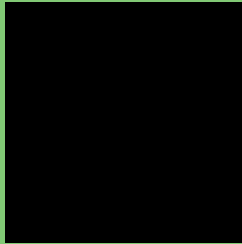
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7248, 0.3152, 0.4538

Background



This preview shows how black text looks on a background with the Yxy color 47.7248, 0.3152, 0.4538.



This preview shows how white text looks on a background with the Yxy color 47.7248, 0.3152, 0.4538.

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

47.7248, 0.3152, 0.4538

Protanopia

47.2721, 0.3875, 0.4205

Deuteranopia

47.1501, 0.3991, 0.3911



Tritanopia

47.7376, 0.2681, 0.3088

Trichromacy



Original Color

47.7248, 0.3152, 0.4538



Protanomaly

47.0178, 0.3580, 0.4333



Deuteranomaly

46.1006, 0.3654, 0.4124



Tritanomaly

47.5752, 0.2851, 0.3588

Monochromacy



Original Color

47.7248, 0.3152, 0.4538



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

42.2507, 0.3141, 0.3725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7248, 0.3152, 0.4538 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(129, 201, 117)` looks like.

```
.text, #text, p{  
    color:rgb(129, 201, 117)  
}
```

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(129, 201, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 201, 117) }
```

Border

The CSS property to change the border of an element to Yxy 47.7248, 0.3152, 0.4538 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(129, 201, 117) }
```

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

```
.border{ border-color:rgb(129, 201, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 201, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 201, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 201, 117);  
box-shadow:4px 4px 4px 4px rgb(129, 201,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7248, 0.3152, 0.4538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 201, 117) }
```

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

```
.background{ background-color: rgb(129,  
201, 117) }
```

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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