

Converting Colors

Yxy(53.6159, 0.3045, 0.4897)

Have a look what the booklet for
Yxy(53.6159, 0.3045, 0.4897)
contains.

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Color

Yxy(53.7514, 0.3046, 0.4900)

Conversions

Conversions Part 1

Format	Color
Hex	6AD96B
RGB	106, 217, 107
RGB Percent	42%, 85%, 42%
CMY	0.5842, 0.1490, 0.5803
CMYK	0.51, 0.00, 0.51, 0.15
HSL	121°, 59%, 63%
HSV	121°, 51%, 85%
XYZ	33.4136, 53.7514, 22.5317
YIQ	171.2710, -30.8460, -57.7420

Conversions

Conversions Part 2

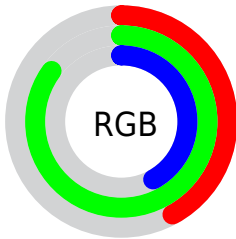
Format	Color
RYB	106, 216, 217
Decimal	7002475
CIELab	78.32, -53.65, 44.32
CIELCh	78, 69.589, 140.443
Yxy	53.7514, 0.3046, 0.4900
Android (android.graphics.Color)	4285192555 (0xFF6AD96B)
YUV	171.2710, -31.6856, -57.2427
Hunter-Lab	73.3153, -46.9501, 33.0994

Details

The Yxy color **53.7514, 0.3046, 0.4900** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **30.0218, 0.3195, 0.2078**, and the grayscale version is **41.0472, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9506, 0.3097, 0.4420**, and **26.2675, 0.2958, 0.5390** is the 20% darker color. If you saturate the color by 10%, you get **52.1900, 0.3030, 0.5243**, and if you desaturate by 10%, it is **55.7662, 0.3063, 0.4543**.

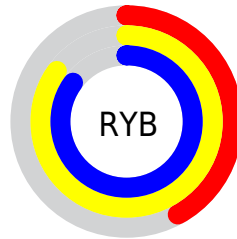
Distribution



Red (42%)

Green (85%)

Blue (42%)



Red (42%)

Yellow (85%)

Blue (85%)

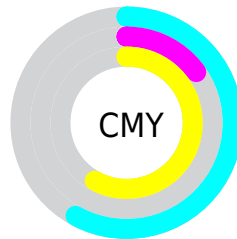


Cyan (51%)

Magenta (0%)

Yellow (51%)

Black (15%)



Cyan (58%)


Magenta (15%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7514, 0.3046, 0.4900 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 53.7514, 0.3046, 0.4900 by changing the saturation by 10% instead.


 53.7514, 0.3046,
0.4900


 53.7514, 0.3046,
0.4900


401.1613, 0.3127,
0.4058

 38.4029, 0.3012,
0.5117

 95.7091, 0.3086,
0.4588

 26.2956, 0.2959,
0.5396


 123.0872, 0.3097,
0.4472

 17.0449, 0.2875,
0.5767


 155.2439, 0.3106,
0.4375

 10.2665, 0.2730,
0.6272

 192.5637, 0.3113,
0.4293

 5.5760, 0.2507,
0.7092

235.4310, 0.3118,
0.4221

 2.5890, 0.1926,
0.8074

284.2300, 0.3121,

 0.9212, 0.0000,

0.4160

1.0000

339.3454, 0.3125,
0.4106

0.0000, 0.0000,
0.0000

53.7514, 0.3046,
0.4900

53.7514, 0.3046,
0.4900

52.1900, 0.3030,
0.5243

55.7662, 0.3063,
0.4543

51.0407, 0.3016,
0.5545

58.2585, 0.3081,
0.4194

50.2667, 0.3007,
0.5779


61.2585, 0.3097,
0.3869


49.8208, 0.3001,
0.5928

64.7922, 0.3112,
0.3576

49.6303, 0.2999,
0.5995

68.8837, 0.3126,
0.3317

 73.5558, 0.3138,
0.3093

 78.1059, 0.3145,
0.2920

Harmonies

Analogous

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



53.7514, 0.3903, 0.4941



53.7514, 0.3046, 0.4900



53.7514, 0.2257, 0.4134

Triad

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



53.7514, 0.3046, 0.4900



53.7514, 0.1743, 0.1999



53.7514, 0.4707, 0.3170

Complementary

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



53.7514, 0.3046, 0.4900



30.0218, 0.3195, 0.2078

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.



53.7514, 0.3936, 0.2594



53.7514, 0.3046, 0.4900



53.7514, 0.2207, 0.1951

Square

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



53.7514, 0.3046, 0.4900



53.7514, 0.1588, 0.2362



53.7514, 0.2983, 0.2163



53.7514, 0.4941, 0.3811

Rectangle

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



53.7514, 0.3046, 0.4900



53.7514, 0.1879, 0.3437



53.7514, 0.2983, 0.2163



53.7514, 0.4497, 0.2967

Sweetspot

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



53.7537, 0.3046, 0.4900



91.2483, 0.3106, 0.3689



65.4188, 0.3870, 0.4519



19.2993, 0.3103, 0.3751



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.



53.7537, 0.3046, 0.4900



75.1350, 0.3029, 0.5257



55.2827, 0.2755, 0.4089



14.6082, 0.3115, 0.3529



30.0442, 0.2998, 0.5994



1.9471, 0.2993, 0.5975

Inverse Universe

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



30.0218, 0.3195, 0.2078



37.3984, 0.3206, 0.1886



27.6557, 0.3831, 0.2632



13.2727, 0.3139, 0.3062



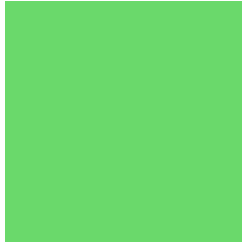
11.9017, 0.3232, 0.1554



0.7717, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 53.7514, 0.3046, 0.4900 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 53.7514, 0.3046, 0.4900 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 53.7514, 0.3046, 0.4900

Background



This preview shows how black text looks on a background with the Yxy color 53.7514, 0.3046, 0.4900.



This preview shows how white text looks on a background with the Yxy color 53.7514, 0.3046, 0.4900.

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

53.7514, 0.3046, 0.4900

Protanopia

53.0378, 0.4006, 0.4383

Deuteranopia

52.8424, 0.4133, 0.4057



Tritanopia

53.7084, 0.2537, 0.3080

Trichromacy



Original Color

53.7514, 0.3046, 0.4900



Protanomaly

52.0846, 0.3596, 0.4597



Deuteranomaly

51.2145, 0.3679, 0.4366



Tritanomaly

53.0338, 0.2723, 0.3697

Monochromacy



Original Color

53.7514, 0.3046, 0.4900



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.3076, 0.3092, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7514, 0.3046, 0.4900 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(106, 217, 107)` looks like.

```
.text, #text, p{  
    color:rgb(106, 217, 107)  
}
```

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(106, 217, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 217, 107) }
```

Border

The CSS property to change the border of an element to Yxy 53.7514, 0.3046, 0.4900 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(106, 217, 107) }
```

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

```
.border{ border-color:rgb(106, 217, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 217, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 217, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 217, 107);  
box-shadow:4px 4px 4px 4px rgb(106, 217,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7514, 0.3046, 0.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 217, 107) }
```

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

```
.background{ background-color: rgb(106,  
217, 107) }
```

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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