

Converting Colors

$Yxy(54.6047, 0.3026, 0.4957)$

Have a look what the booklet for
Yxy(54.6047, 0.3026, 0.4957)
contains.

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Color

Yxy(54.4497, 0.3028, 0.4958)

Conversions

Conversions Part 1

Format	Color
Hex	65DB69
RGB	101, 219, 105
RGB Percent	40%, 86%, 41%
CMY	0.6036, 0.1412, 0.5883
CMYK	0.54, 0.00, 0.52, 0.14
HSL	122°, 62%, 63%
HSV	122°, 54%, 86%
XYZ	33.2541, 54.4497, 22.1181
YIQ	170.7220, -33.7340, -60.4700

Conversions

Conversions Part 2

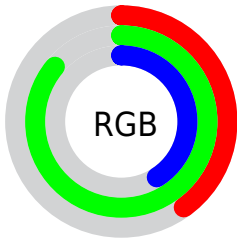
Format	Color
RYB	101, 215, 219
Decimal	6675305
CIELab	78.72, -55.97, 45.75
CIElCh	79, 72.286, 140.739
Yxy	54.4497, 0.3028, 0.4958
Android (android.graphics.Color)	4284865385 (0xFF65DB69)
YUV	170.7220, -32.4009, -61.1462
Hunter-Lab	73.7900, -48.6901, 33.8812

Details

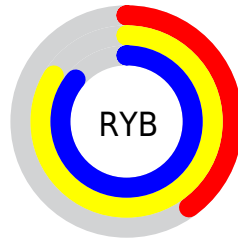
The Yxy color **54.4497, 0.3028, 0.4958** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.2928, 0.3227, 0.2048**, and the grayscale version is **40.7664, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4622, 0.3084, 0.4452**, and **26.7585, 0.2933, 0.5475** is the 20% darker color. If you saturate the color by 10%, you get **52.9682, 0.3013, 0.5291**, and if you desaturate by 10%, it is **56.3809, 0.3046, 0.4608**.

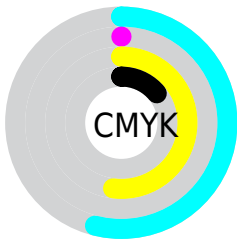
Distribution



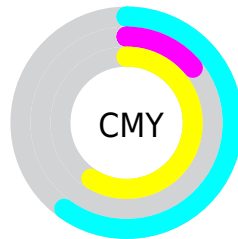
- Red (40%)
- Green (86%)
- Blue (41%)



- Red (40%)
- Yellow (84%)
- Blue (86%)



- Cyan (54%)
- Magenta (0%)
- Yellow (52%)
- Black (14%)



- Cyan (60%)
- Magenta (14%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4497, 0.3028, 0.4958 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 54.4497, 0.3028, 0.4958 by changing the saturation by 10% instead.

 54.4497, 0.3028,
0.4958

 54.4497, 0.3028,
0.4958


403.8225, 0.3121,
0.4086

 38.9613, 0.2990,
0.5182


 96.7342, 0.3072,
0.4635


 26.7296, 0.2932,
0.5470


 124.2991, 0.3086,
0.4515

 17.3703, 0.2841,
0.5851


 156.6583, 0.3096,
0.4415

 10.4988, 0.2685,
0.6367

 194.1962, 0.3104,
0.4329

 5.7309, 0.2451,
0.7216

237.2972, 0.3109,
0.4255

 2.6822, 0.1838,
0.8162

286.3456, 0.3114,

 0.9681, 0.0000,

0.4191

1.0000

341.7260, 0.3118,
0.4135

■ 0.0000, 0.0000,
0.0000

■ 54.4497, 0.3028,
0.4958

■ 54.4497, 0.3028,
0.4958

■ 52.9682, 0.3013,
0.5291

■ 56.3809, 0.3046,
0.4608

■ 51.8940, 0.3002,
0.5579

■ 58.7868, 0.3065,
0.4262

■ 51.1884, 0.2996,
0.5800

■ 61.6985, 0.3085,
0.3938

■ 50.8019, 0.2996,
0.5937

■ 65.1424, 0.3103,
0.3643

■ 50.6770, 0.2995,
0.5983

■ 69.1434, 0.3121,
0.3382

■ 73.7245, 0.3137,
0.3153

■ 78.9076, 0.3151,
0.2956

■ 79.1410, 0.3144,
0.2940

Harmonies

Analogous

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



54.4497, 0.3910, 0.4995



54.4497, 0.3028, 0.4958



54.4497, 0.2220, 0.4155

Triad

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



54.4497, 0.3028, 0.4958



54.4497, 0.1708, 0.1960



54.4497, 0.4766, 0.3167

Complementary

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



54.4497, 0.3028, 0.4958



29.2928, 0.3227, 0.2048

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.



54.4497, 0.3972, 0.2578



54.4497, 0.3028, 0.4958



54.4497, 0.2186, 0.1916

Square

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



54.4497, 0.3028, 0.4958



54.4497, 0.1547, 0.2325



54.4497, 0.2985, 0.2136



54.4497, 0.4996, 0.3822

Rectangle

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



54.4497, 0.3028, 0.4958



54.4497, 0.1837, 0.3428



54.4497, 0.2985, 0.2136



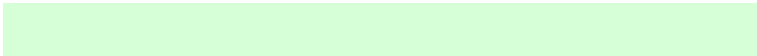
54.4497, 0.4551, 0.2960

Sweetspot

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



54.4520, 0.3028, 0.4958



90.7810, 0.3099, 0.3708



66.3586, 0.3888, 0.4582



19.2091, 0.3095, 0.3768



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.



54.4520, 0.3028, 0.4958



74.4779, 0.3011, 0.5344



56.0410, 0.2731, 0.4111



14.6132, 0.3111, 0.3523



30.0534, 0.2994, 0.5977



1.9495, 0.2975, 0.5909

Inverse Universe

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



29.2928, 0.3227, 0.2048



35.3174, 0.3248, 0.1850



26.8532, 0.3913, 0.2623



13.2670, 0.3143, 0.3067



11.7440, 0.3293, 0.1588



0.7632, 0.3279, 0.1580

Previews

White Background



This preview shows how the Yxy color 54.4497, 0.3028, 0.4958 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 54.4497, 0.3028, 0.4958 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 54.4497, 0.3028, 0.4958

Background



This preview shows how black text looks on a background with the Yxy color 54.4497, 0.3028, 0.4958.



This preview shows how white text looks on a background with the Yxy color 54.4497, 0.3028, 0.4958.

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

54.4497, 0.3028, 0.4958

Protanopia

53.7242, 0.4037, 0.4414

Deuteranopia

53.5750, 0.4152, 0.4071



Tritanopia

54.0595, 0.2513, 0.3067

Trichromacy



Original Color

54.4497, 0.3028, 0.4958



Protanomaly

52.4970, 0.3610, 0.4641



Deuteranomaly

51.5193, 0.3673, 0.4391



Tritanomaly

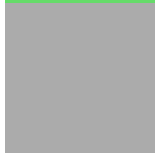
53.7354, 0.2704, 0.3726

Monochromacy



Original Color

54.4497, 0.3028, 0.4958



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

44.1840, 0.3091, 0.3890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4497, 0.3028, 0.4958 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(101, 219, 105)` looks like.

```
.text, #text, p{  
    color:rgb(101, 219, 105)  
}
```

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(101, 219, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 219, 105) }
```

Border

The CSS property to change the border of an element to Yxy 54.4497, 0.3028, 0.4958 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(101, 219, 105) }
```

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

```
.border{ border-color:rgb(101, 219, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 219, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 219, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 219, 105);  
box-shadow:4px 4px 4px 4px rgb(101, 219,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4497, 0.3028, 0.4958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 219, 105) }
```

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

```
.background{ background-color: rgb(101,  
219, 105) }
```

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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