

Converting Colors

Yxy(61.3413, 0.3249, 0.5210)

Have a look what the booklet for
Yxy(61.3413, 0.3249, 0.5210)
contains.

| | |
|--|----|
| Yxy(61.5937, 0.3245, 0.5211) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(61.5937, 0.3245, 0.5211)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 7DE654 |
| RGB | 125, 230, 84 |
| RGB Percent | 49%, 90%, 33% |
| CMY | 0.5097, 0.0980, 0.6707 |
| CMYK | 0.46, 0.00, 0.63, 0.10 |
| HSL | 103°, 74%, 62% |
| HSV | 103°, 63%, 90% |
| XYZ | 38.3557, 61.5937, 18.2500 |
| YIQ | 181.9610, -15.7140, -67.6660 |

Conversions

Conversions Part 2

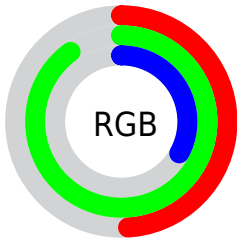
| Format | Color |
|-------------------------------------|--|
| RYB | 84, 230, 189 |
| Decimal | 8250964 |
| CIELab | 82.70, -55.93, 59.90 |
| CIElCh | 83, 81.948, 133.039 |
| Yxy | 61.5937, 0.3245, 0.5211 |
| Android (android.graphics.Color) | 4286441044 (0xFF7DE654) |
| YUV | 181.9610, -48.2948, -49.9548 |
| Hunter-Lab | 78.4817, -50.1060, 41.1500 |

Details

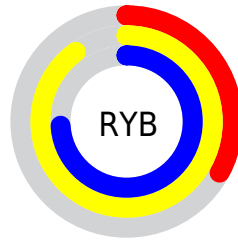
The Yxy color **61.5937, 0.3245, 0.5211** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **22.8656, 0.2774, 0.1650**, and the grayscale version is **47.0336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5744, 0.3323, 0.4614**, and **31.4240, 0.3177, 0.5736** is the 20% darker color. If you saturate the color by 10%, you get **60.1503, 0.3226, 0.5484**, and if you desaturate by 10%, it is **63.3678, 0.3250, 0.4900**.

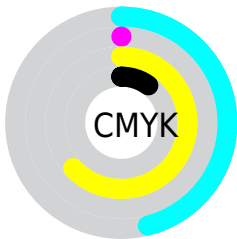
Distribution



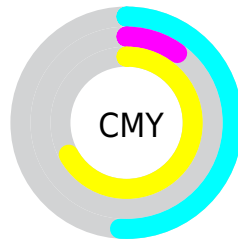
- Red (49%)
- Green (90%)
- Blue (33%)



- Red (33%)
- Yellow (90%)
- Blue (74%)



- Cyan (46%)
- Magenta (0%)
- Yellow (63%)
- Black (10%)





- Cyan (51%)
- Magenta (10%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 61.5937, 0.3245, 0.5211 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 61.5937, 0.3245, 0.5211 by changing the saturation by 10% instead.

 61.5937, 0.3245,
0.5211

 61.5937, 0.3245,
0.5211

430.4475, 0.3254,
0.4239


 44.7045, 0.3220,
0.5445


 107.1381, 0.3265,
0.4862


 31.2247, 0.3175,
0.5736


 136.5621, 0.3268,
0.4729

 20.7700, 0.3095,
0.6102


 170.9331, 0.3268,
0.4616

 12.9560, 0.2949,
0.6565

 210.6355, 0.3266,
0.4519

 7.3983, 0.2728,
0.7272

256.0538, 0.3264,
0.4435

 3.7124, 0.2182,
0.7818

307.5723, 0.3261,

 1.5140, 0.0000,

0.4362

1.0000

365.5754, 0.3257,
0.4297

■ 0.2986, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 61.5937, 0.3245,
0.5211

■ 61.5937, 0.3245,
0.5211

■ 60.1503, 0.3226,
0.5484

■ 63.3678, 0.3250,
0.4900

■ 59.0075, 0.3192,
0.5699


■ 65.4848, 0.3243,
0.4572

■ 58.1420, 0.3148,
0.5844

■ 67.9654, 0.3225,
0.4244


■ 57.7067, 0.3117,
0.5907

■ 70.8267, 0.3200,
0.3931

 74.0844, 0.3171,
0.3640

 77.7534, 0.3139,
0.3376

 81.8477, 0.3106,
0.3139

 85.0752, 0.3138,
0.3048

Harmonies

Analogous

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



61.5937, 0.4170, 0.5013



61.5937, 0.3245, 0.5211



61.5937, 0.2337, 0.4530

Triad

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



61.5937, 0.3245, 0.5211



61.5937, 0.1539, 0.1926



61.5937, 0.4734, 0.2973

Complementary

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



61.5937, 0.3245, 0.5211



22.8656, 0.2774, 0.1650

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.



61.5937, 0.3764, 0.2384



61.5937, 0.3245, 0.5211



61.5937, 0.1952, 0.1807

Square

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



61.5937, 0.3245, 0.5211



61.5937, 0.1450, 0.2406



61.5937, 0.2717, 0.1973



61.5937, 0.5149, 0.3649

Rectangle

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



61.5937, 0.3245, 0.5211



61.5937, 0.1872, 0.3738



61.5937, 0.2717, 0.1973



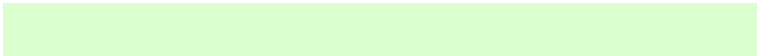
61.5937, 0.4452, 0.2763

Sweetspot

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



61.5963, 0.3245, 0.5211



91.2446, 0.3188, 0.3800



53.6995, 0.4290, 0.4400



19.2831, 0.3196, 0.3886



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.



61.5963, 0.3245, 0.5211



75.5491, 0.3217, 0.5554



59.7313, 0.2902, 0.4941



16.2842, 0.3158, 0.3530



32.7224, 0.3127, 0.5899



2.4637, 0.3234, 0.5815

Inverse Universe

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



22.8656, 0.2774, 0.1650



22.9322, 0.2675, 0.1404



27.2553, 0.3548, 0.2100



14.4010, 0.3093, 0.3055



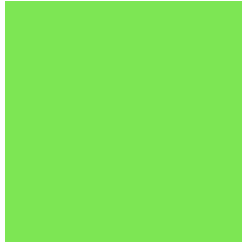
7.8498, 0.2510, 0.1156



0.6262, 0.2615, 0.1214

Previews

White Background



This preview shows how the Yxy color 61.5937, 0.3245, 0.5211 looks on a white background.

Color Contrast Check

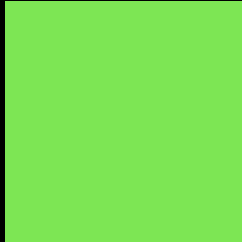
Large Text (above 18pt) WCAG AA × Fail

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 61.5937, 0.3245, 0.5211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

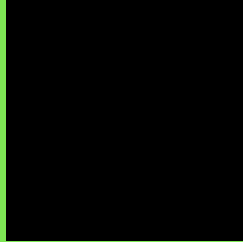
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

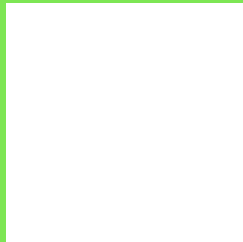
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 61.5937, 0.3245, 0.5211

Background



This preview shows how black text looks on a background with the Yxy color 61.5937, 0.3245, 0.5211.



This preview shows how white text looks on a background with the Yxy color 61.5937, 0.3245, 0.5211.

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

61.5937, 0.3245, 0.5211

Protanopia

60.6924, 0.4189, 0.4609

Deuteranopia

60.7391, 0.4369, 0.4274



Tritanopia

61.0634, 0.2602, 0.3069

Trichromacy



Original Color

61.5937, 0.3245, 0.5211



Protanomaly

59.7487, 0.3808, 0.4843



Deuteranomaly

58.9889, 0.3912, 0.4625



Tritanomaly

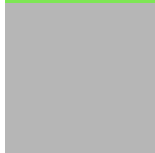
60.1919, 0.2859, 0.3834

Monochromacy



Original Color

61.5937, 0.3245, 0.5211



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

50.4992, 0.3209, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.5937, 0.3245, 0.5211 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(125, 230, 84)` looks like.

```
.text, #text, p{  
    color:rgb(125, 230, 84)  
}
```

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(125, 230, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 230, 84) }
```

Border

The CSS property to change the border of an element to Yxy 61.5937, 0.3245, 0.5211 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(125, 230, 84) }
```

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

```
.border{ border-color:rgb(125, 230, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 230, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 230, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 230, 84);  
box-shadow:4px 4px 4px 4px rgb(125, 230,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 61.5937, 0.3245, 0.5211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 230, 84) }
```

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

```
.background{ background-color: rgb(125,  
230, 84) }
```

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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