

Converting Colors

$Yxy(62.9782, 0.3351, 0.5255)$

Have a look what the booklet for
Yxy(62.9782, 0.3351, 0.5255)
contains.

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Color

Yxy(62.9782, 0.3351, 0.5255)

Conversions

Conversions Part 1

Format	Color
Hex	89E74B
RGB	137, 231, 75
RGB Percent	54%, 91%, 29%
CMY	0.4629, 0.0941, 0.7056
CMYK	0.41, 0.00, 0.68, 0.09
HSL	96°, 76%, 60%
HSV	96°, 68%, 91%
XYZ	40.1598, 62.9782, 16.7063
YIQ	185.1100, -5.9480, -68.4440

Conversions

Conversions Part 2

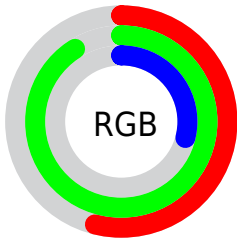
Format	Color
RYB	75, 231, 169
Decimal	9037643
CIELab	83.43, -53.39, 64.36
CIELCh	83, 83.623, 129.676
Yxy	62.9782, 0.3351, 0.5255
Android (android.graphics.Color)	4287227723 (0xFF89E74B)
YUV	185.1100, -54.2842, -42.1925
Hunter-Lab	79.3588, -48.5473, 43.0697

Details

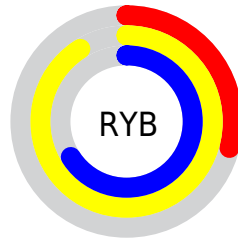
The Yxy color **62.9782, 0.3351, 0.5255** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **19.2574, 0.2561, 0.1480**, and the grayscale version is **48.8912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8945, 0.3439, 0.4663**, and **32.2796, 0.3298, 0.5763** is the 20% darker color. If you saturate the color by 10%, you get **61.6177, 0.3332, 0.5494**, and if you desaturate by 10%, it is **64.6109, 0.3351, 0.4973**.

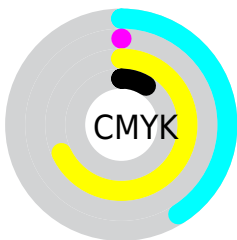
Distribution



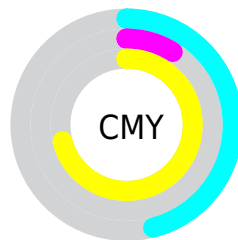
- Red (54%)
- Green (91%)
- Blue (29%)



- Red (29%)
- Yellow (91%)
- Blue (66%)



- Cyan (41%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)



- Cyan (46%)
- Magenta (9%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.9782, 0.3351, 0.5255 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 62.9782, 0.3351, 0.5255 by changing the saturation by 10% instead.


 62.9782, 0.3351,
0.5255


 62.9782, 0.3351,
0.5255


435.4904, 0.3317,
0.4274


 45.8236, 0.3334,
0.5485


 109.1381, 0.3358,
0.4907

 32.1066, 0.3297,
0.5768


 138.9121, 0.3355,
0.4773


 21.4430, 0.3225,
0.6117

 173.6614, 0.3350,
0.4659

 13.4482, 0.3089,
0.6553

 213.7703, 0.3343,
0.4560

 7.7379, 0.2857,
0.7143

 259.6233, 0.3337,
0.4475

 3.9277, 0.2347,
0.7653

311.6047, 0.3330,

 1.6332, 0.0631,

0.4400

0.9369

370.0989, 0.3323,
0.4333

0.3798, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.9782, 0.3351,
0.5255

62.9782, 0.3351,
0.5255

61.6177, 0.3332,
0.5494

64.6109, 0.3351,
0.4973

60.5024, 0.3294,
0.5676


66.5244, 0.3334,
0.4666

59.6114, 0.3242,
0.5795


68.7363, 0.3303,
0.4351


59.4164, 0.3228,
0.5819


71.2606, 0.3262,
0.4042

 74.1099, 0.3216,
0.3749

 77.2965, 0.3165,
0.3478

 80.8317, 0.3114,
0.3231

 84.4087, 0.3094,
0.3055

 85.6366, 0.3138,
0.3058

Harmonies

Analogous

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



62.9782, 0.4274, 0.4969



62.9782, 0.3351, 0.5255



62.9782, 0.2420, 0.4668

Triad

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



62.9782, 0.3351, 0.5255



62.9782, 0.1498, 0.1945



62.9782, 0.4665, 0.2896

Complementary

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



62.9782, 0.3351, 0.5255



19.2574, 0.2561, 0.1480

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.



62.9782, 0.3647, 0.2318



62.9782, 0.3351, 0.5255



62.9782, 0.1876, 0.1791

Square

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



62.9782, 0.3351, 0.5255



62.9782, 0.1444, 0.2476



62.9782, 0.2607, 0.1929



62.9782, 0.5162, 0.3569

Rectangle

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



62.9782, 0.3351, 0.5255



62.9782, 0.1924, 0.3883



62.9782, 0.2607, 0.1929



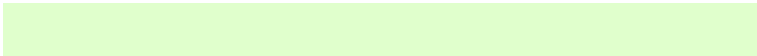
62.9782, 0.4361, 0.2688

Sweetspot

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



62.9809, 0.3351, 0.5255



91.7660, 0.3228, 0.3824



45.7377, 0.4517, 0.4273



19.4236, 0.3242, 0.3906



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.



62.9809, 0.3351, 0.5255



76.5178, 0.3319, 0.5573



59.4044, 0.2971, 0.5290



16.3668, 0.3175, 0.3529



33.3743, 0.3239, 0.5810



2.5190, 0.3354, 0.5719

Inverse Universe

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



19.2574, 0.2561, 0.1480



18.2563, 0.2411, 0.1210



26.9586, 0.3366, 0.1898



14.3149, 0.3075, 0.3054



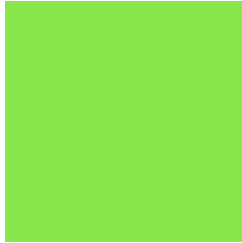
6.4004, 0.2241, 0.1008



0.5265, 0.2380, 0.1085

Previews

White Background



This preview shows how the Yxy color 62.9782, 0.3351, 0.5255 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 62.9782, 0.3351, 0.5255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

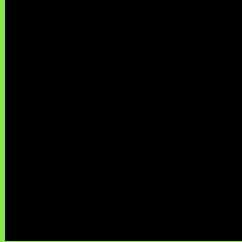
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.9782, 0.3351, 0.5255

Background



This preview shows how black text looks on a background with the Yxy color 62.9782, 0.3351, 0.5255.

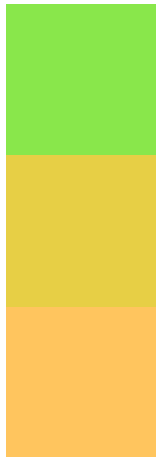


This preview shows how white text looks on a background with the Yxy color 62.9782, 0.3351, 0.5255.

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

62.9782, 0.3351, 0.5255

Protanopia

62.0442, 0.4236, 0.4664

Deuteranopia

62.0007, 0.4377, 0.4292



Tritanopia

62.6763, 0.2666, 0.3085

Trichromacy



Original Color

62.9782, 0.3351, 0.5255



Protanomaly

61.4370, 0.3885, 0.4899



Deuteranomaly

60.2861, 0.3978, 0.4641



Tritanomaly

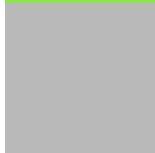
61.6198, 0.2946, 0.3877

Monochromacy



Original Color

62.9782, 0.3351, 0.5255



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

52.6102, 0.3268, 0.4056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.9782, 0.3351, 0.5255 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(137, 231, 75)` looks like.

```
.text, #text, p{  
    color:rgb(137, 231, 75)  
}
```

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(137, 231, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 231, 75) }
```

Border

The CSS property to change the border of an element to Yxy 62.9782, 0.3351, 0.5255 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(137, 231, 75) }
```

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

```
.border{ border-color:rgb(137, 231, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 231, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 231, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 231, 75);  
box-shadow:4px 4px 4px 4px rgb(137, 231,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 62.9782, 0.3351, 0.5255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 231, 75) }
```

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

```
.background{ background-color: rgb(137,  
231, 75) }
```

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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