

Converting Colors

Yxy(62.1354, 0.2987, 0.4441)

Have a look what the booklet for
Yxy(62.1354, 0.2987, 0.4441)
contains.

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Color

Yxy(62.1675, 0.2984, 0.4435)

Conversions

Conversions Part 1

Format	Color
Hex	81E490
RGB	129, 228, 144
RGB Percent	51%, 89%, 56%
CMY	0.4942, 0.1059, 0.4353
CMYK	0.43, 0.00, 0.37, 0.11
HSL	129°, 65%, 70%
HSV	129°, 43%, 89%
XYZ	41.8281, 62.1675, 36.1791
YIQ	188.8230, -32.0400, -47.1120

Conversions

Conversions Part 2

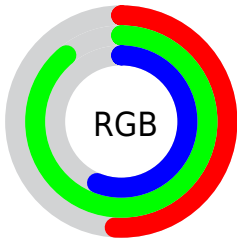
Format	Color
RYB	129, 215, 228
Decimal	8512656
CIELab	83.00, -46.42, 32.17
CIELCh	83, 56.474, 145.277
Yxy	62.1675, 0.2984, 0.4435
Android (android.graphics.Color)	4286702736 (0xFF81E490)
YUV	188.8230, -22.0977, -52.4648
Hunter-Lab	78.8464, -43.2866, 27.9869

Details

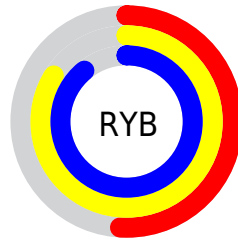
The Yxy color **62.1675, 0.2984, 0.4435** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.9942, 0.3320, 0.2368**, and the grayscale version is **50.9233, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0363, 0.3026, 0.3933**, and **31.6731, 0.2917, 0.4761** is the 20% darker color. If you saturate the color by 10%, you get **60.0380, 0.2960, 0.4752**, and if you desaturate by 10%, it is **64.8018, 0.3014, 0.4130**.

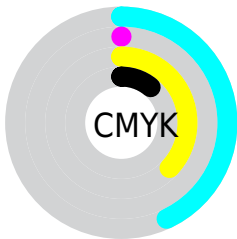
Distribution



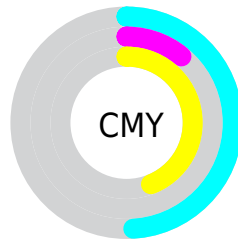
- Red (51%)
- Green (89%)
- Blue (56%)



- Red (51%)
- Yellow (84%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.1675, 0.2984, 0.4435 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 62.1675, 0.2984, 0.4435 by changing the saturation by 10% instead.


 62.1675, 0.2984,
0.4435

 62.1675, 0.2984,
0.4435


432.5418, 0.3073,
0.3855

 45.1681, 0.2957,
0.4581


 107.9676, 0.3020,
0.4223

 31.5898, 0.2919,
0.4767


 137.5370, 0.3032,
0.4144

 21.0484, 0.2865,
0.5015


 172.0652, 0.3042,
0.4077

 13.1594, 0.2781,
0.5355

211.9366, 0.3051,
0.4020

 7.5384, 0.2640,
0.5848

257.5356, 0.3057,
0.3970

 3.8010, 0.2406,
0.6674

309.2465, 0.3063,

 1.5629, 0.1307,

0.3927

0.8693

367.4538, 0.3068,
0.3889

0.3324, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.1675, 0.2984,
0.4435

62.1675, 0.2984,
0.4435

60.0380, 0.2960,
0.4752

64.8018, 0.3014,
0.4130

58.3736, 0.2943,
0.5066


67.9624, 0.3047,
0.3846

57.1411, 0.2937,
0.5358


71.6785, 0.3081,
0.3589


56.2995, 0.2942,
0.5608

75.9754, 0.3116,
0.3362

 55.7998, 0.2957,
0.5797

 80.8765, 0.3149,
0.3162

 55.6098, 0.2969,
0.5887

 83.9709, 0.3139,
0.3029

Harmonies

Analogous

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



62.1675, 0.3673, 0.4602



62.1675, 0.2984, 0.4435



62.1675, 0.2370, 0.3811

Triad

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



62.1675, 0.2984, 0.4435



62.1675, 0.2053, 0.2232



62.1675, 0.4412, 0.3307

Complementary

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



62.1675, 0.2984, 0.4435



36.9942, 0.3320, 0.2368

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.



62.1675, 0.3873, 0.2810



62.1675, 0.2984, 0.4435



62.1675, 0.2486, 0.2218

Square

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



62.1675, 0.2984, 0.4435



62.1675, 0.1882, 0.2505



62.1675, 0.3142, 0.2425



62.1675, 0.4542, 0.3843

Rectangle

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



62.1675, 0.2984, 0.4435



62.1675, 0.2082, 0.3300



62.1675, 0.3142, 0.2425



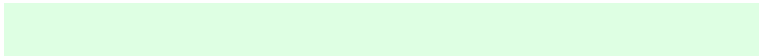
62.1675, 0.4271, 0.3134

Sweetspot

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



62.1701, 0.2984, 0.4435



92.5652, 0.3083, 0.3581



71.2444, 0.3658, 0.4402



19.5702, 0.3075, 0.3635



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.



62.1701, 0.2984, 0.4435



77.6552, 0.2962, 0.4717



64.0223, 0.2716, 0.3743



16.1246, 0.3095, 0.3495



32.1196, 0.2964, 0.5869



2.3846, 0.2900, 0.5639

Inverse Universe

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



36.9942, 0.3320, 0.2368



41.2693, 0.3370, 0.2199



34.8580, 0.3857, 0.2890



14.5757, 0.3161, 0.3093



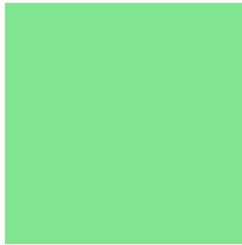
11.7726, 0.3633, 0.1775



0.8802, 0.3561, 0.1735

Previews

White Background



This preview shows how the Yxy color 62.1675, 0.2984, 0.4435 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 62.1675, 0.2984, 0.4435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

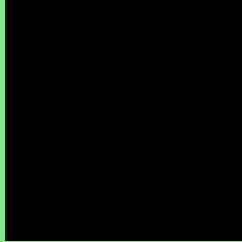
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.1675, 0.2984, 0.4435

Background



This preview shows how black text looks on a background with the Yxy color 62.1675, 0.2984, 0.4435.



This preview shows how white text looks on a background with the Yxy color 62.1675, 0.2984, 0.4435.

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

62.1675, 0.2984, 0.4435

Protanopia

61.0999, 0.3789, 0.4088

Deuteranopia

61.2216, 0.3870, 0.3790



Tritanopia

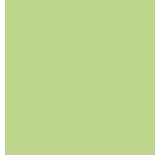
61.8621, 0.2584, 0.3081

Trichromacy



Original Color

62.1675, 0.2984, 0.4435



Protanomaly

60.2423, 0.3460, 0.4222



Deuteranomaly

59.8064, 0.3510, 0.4017



Tritanomaly

61.5927, 0.2729, 0.3547

Monochromacy



Original Color

62.1675, 0.2984, 0.4435



Achromatopsia

50.8881, 0.3127, 0.3290



Achromatomaly

53.9445, 0.3063, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.1675, 0.2984, 0.4435 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, 228, 144)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 144)  
}
```

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, 228, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 144) }
```

Border

The CSS property to change the border of an element to Yxy 62.1675, 0.2984, 0.4435 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, 228, 144) }
```

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

```
.border{ border-color:rgb(129, 228, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 228, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 144);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 62.1675, 0.2984, 0.4435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 228, 144) }
```

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

```
.background{ background-color: rgb(129,  
228, 144) }
```

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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