

Converting Colors

$Yxy(62.8329, 0.2920, 0.4505)$

Have a look what the booklet for
Yxy(62.8329, 0.2920, 0.4505)
contains.

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Color

Yxy(62.8480, 0.2919, 0.4503)

Conversions

Conversions Part 1

Format	Color
Hex	74E78F
RGB	116, 231, 143
RGB Percent	45%, 91%, 56%
CMY	0.5450, 0.0941, 0.4391
CMYK	0.50, 0.00, 0.38, 0.09
HSL	134°, 71%, 68%
HSV	134°, 50%, 91%
XYZ	40.7402, 62.8480, 35.9809
YIQ	186.5830, -40.2920, -51.7480

Conversions

Conversions Part 2

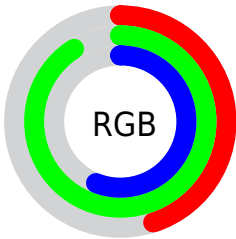
Format	Color
RYB	116, 209, 231
Decimal	7661455
CIELab	83.36, -51.29, 33.04
CIELCh	83, 61.016, 147.211
Yxy	62.8480, 0.2919, 0.4503
Android (android.graphics.Color)	4285851535 (0xFF74E78F)
YUV	186.5830, -21.4864, -61.9013
Hunter-Lab	79.2767, -47.0033, 28.5841

Details

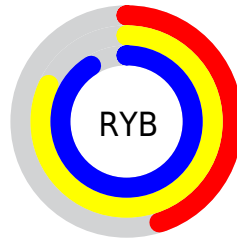
The Yxy color **62.8480, 0.2919, 0.4503** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **33.8449, 0.3456, 0.2335**, and the grayscale version is **49.5929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5499, 0.2962, 0.3957**, and **31.8570, 0.2834, 0.4842** is the 20% darker color. If you saturate the color by 10%, you get **60.9648, 0.2895, 0.4796**, and if you desaturate by 10%, it is **65.2143, 0.2952, 0.4217**.

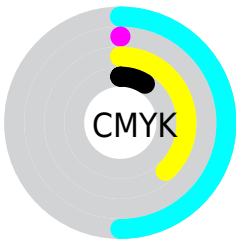
Distribution



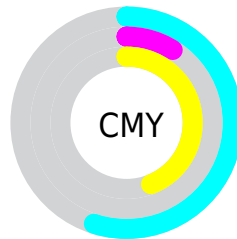
- Red (45%)
- Green (91%)
- Blue (56%)



- Red (45%)
- Yellow (82%)
- Blue (91%)



- Cyan (50%)
- Magenta (0%)
- Yellow (38%)
- Black (9%)





- Cyan (55%)
- Magenta (9%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8480, 0.2919, 0.4503 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 62.8480, 0.2919, 0.4503 by changing the saturation by 10% instead.


 62.8480, 0.2919,
0.4503

 62.8480, 0.2919,
0.4503


435.0176, 0.3041,
0.3887

 45.7183, 0.2884,
0.4658


 108.9502, 0.2967,
0.4278

 32.0235, 0.2835,
0.4857


 138.6914, 0.2984,
0.4194

 21.3795, 0.2767,
0.5120

 173.4053, 0.2998,
0.4122

 13.4017, 0.2663,
0.5483

213.4761, 0.3009,
0.4062

 7.7057, 0.2496,
0.6007

259.2884, 0.3019,
0.4009

 3.9072, 0.2223,
0.6886

311.2265, 0.3027,

 1.6218, 0.0866,

0.3963

0.9134

369.6748, 0.3034,
0.3923

0.3722, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8480, 0.2919,
0.4503

62.8480, 0.2919,
0.4503

60.9648, 0.2895,
0.4796

65.2143, 0.2952,
0.4217

59.5233, 0.2884,
0.5083

68.0864, 0.2992,
0.3949


58.4879, 0.2888,
0.5348


71.4945, 0.3036,
0.3703


57.8137, 0.2905,
0.5575

75.4645, 0.3082,
0.3482

 57.4278, 0.2932,
0.5754

 80.0205, 0.3128,
0.3286

 57.4206, 0.2933,
0.5758

 85.1851, 0.3173,
0.3114

 85.6318, 0.3138,
0.3058

Harmonies

Analogous

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



62.8480, 0.3656, 0.4708



62.8480, 0.2919, 0.4503



62.8480, 0.2278, 0.3798

Triad

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



62.8480, 0.2919, 0.4503



62.8480, 0.2004, 0.2153



62.8480, 0.4534, 0.3335

Complementary

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



62.8480, 0.2919, 0.4503



33.8449, 0.3456, 0.2335

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.



62.8480, 0.3976, 0.2807



62.8480, 0.2919, 0.4503



62.8480, 0.2478, 0.2158

Square

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



62.8480, 0.2919, 0.4503



62.8480, 0.1806, 0.2418



62.8480, 0.3191, 0.2391



62.8480, 0.4636, 0.3903

Rectangle

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



62.8480, 0.2919, 0.4503



62.8480, 0.1988, 0.3243



62.8480, 0.3191, 0.2391



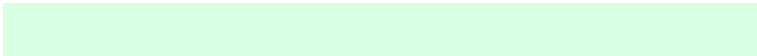
62.8480, 0.4392, 0.3151

Sweetspot

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



62.8506, 0.2919, 0.4503



91.7098, 0.3058, 0.3596



71.2751, 0.3651, 0.4591



19.4088, 0.3048, 0.3643



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.



62.8506, 0.2919, 0.4503



76.1779, 0.2894, 0.4812



65.0526, 0.2624, 0.3690



16.1444, 0.3084, 0.3475



32.2068, 0.2926, 0.5733



2.3941, 0.2849, 0.5457

Inverse Universe

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



33.8449, 0.3456, 0.2335



35.8806, 0.3551, 0.2167



31.5822, 0.4144, 0.2945



14.5543, 0.3174, 0.3112



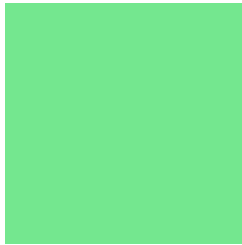
11.3182, 0.3907, 0.1926



0.8504, 0.3784, 0.1858

Previews

White Background



This preview shows how the Yxy color 62.8480, 0.2919, 0.4503 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 62.8480, 0.2919, 0.4503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

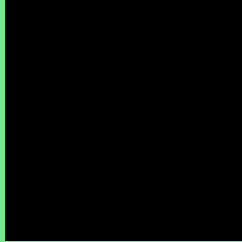
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8480, 0.2919, 0.4503

Background



This preview shows how black text looks on a background with the Yxy color 62.8480, 0.2919, 0.4503.



This preview shows how white text looks on a background with the Yxy color 62.8480, 0.2919, 0.4503.

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

62.8480, 0.2919, 0.4503

Protanopia

61.6834, 0.3808, 0.4117

Deuteranopia

61.8556, 0.3874, 0.3799



Tritanopia

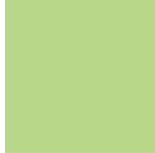
62.7898, 0.2528, 0.3080

Trichromacy



Original Color

62.8480, 0.2919, 0.4503



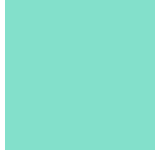
Protanomaly

60.7213, 0.3430, 0.4265



Deuteranomaly

60.1016, 0.3464, 0.4049



Tritanomaly

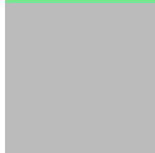
62.4484, 0.2669, 0.3562

Monochromacy



Original Color

62.8480, 0.2919, 0.4503



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.2292, 0.3032, 0.3718

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8480, 0.2919, 0.4503 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(116, 231, 143)` looks like.

```
.text, #text, p{  
    color:rgb(116, 231, 143)  
}
```

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(116, 231, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 231, 143) }
```

Border

The CSS property to change the border of an element to Yxy 62.8480, 0.2919, 0.4503 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(116, 231, 143) }
```

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

```
.border{ border-color:rgb(116, 231, 143) }
```

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

Here you see how a box with a 4 pixel rgb(116, 231, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 231, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 231, 143);  
box-shadow:4px 4px 4px 4px rgb(116, 231,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8480, 0.2919, 0.4503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 231, 143) }
```

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

```
.background{ background-color: rgb(116,  
231, 143) }
```

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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