

Converting Colors

$Yxy(62.8332, 0.2924, 0.4322)$

Have a look what the booklet for
Yxy(62.8332, 0.2924, 0.4322)
contains.

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Color

Yxy(62.8506, 0.2924, 0.4323)

Conversions

Conversions Part 1

Format	Color
Hex	7FE599
RGB	127, 229, 153
RGB Percent	50%, 90%, 60%
CMY	0.5023, 0.1019, 0.4000
CMYK	0.45, 0.00, 0.33, 0.10
HSL	135°, 66%, 70%
HSV	135°, 45%, 90%
XYZ	42.5110, 62.8506, 40.0249
YIQ	189.8380, -36.3960, -45.2600

Conversions

Conversions Part 2

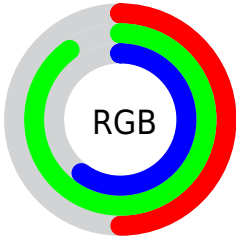
Format	Color
RYB	127, 208, 229
Decimal	8381849
CIELab	83.36, -45.92, 28.05
CIElCh	83, 53.804, 148.581
Yxy	62.8506, 0.2924, 0.4323
Android (android.graphics.Color)	4286571929 (0xFF7FE599)
YUV	189.8380, -18.1611, -55.1089
Hunter-Lab	79.2784, -43.0210, 25.5614

Details

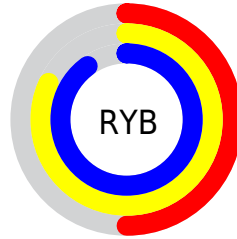
The Yxy color **62.8506, 0.2924, 0.4323** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **36.1252, 0.3434, 0.2448**, and the grayscale version is **51.5057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2644, 0.2961, 0.3817**, and **32.1288, 0.2855, 0.4628** is the 20% darker color. If you saturate the color by 10%, you get **60.7679, 0.2893, 0.4606**, and if you desaturate by 10%, it is **65.4186, 0.2963, 0.4053**.

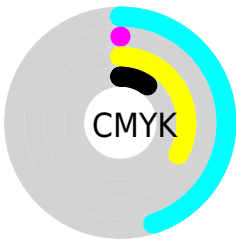
Distribution



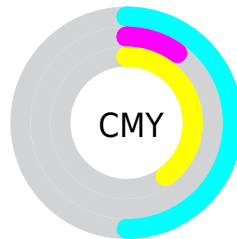
- Red (50%)
- Green (90%)
- Blue (60%)



- Red (50%)
- Yellow (82%)
- Blue (90%)



- Cyan (45%)
- Magenta (0%)
- Yellow (33%)
- Black (10%)




- Cyan (50%)
- Magenta (10%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8506, 0.2924, 0.4323 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 62.8506, 0.2924, 0.4323 by changing the saturation by 10% instead.


 62.8506, 0.2924,
0.4323


 62.8506, 0.2924,
0.4323


435.0271, 0.3037,
0.3801


 45.7204, 0.2893,
0.4454


 108.9539, 0.2968,
0.4133

 32.0252, 0.2850,
0.4621


 138.6958, 0.2983,
0.4062

 21.3808, 0.2792,
0.4843


 173.4104, 0.2996,
0.4001

 13.4026, 0.2704,
0.5150

213.4820, 0.3007,
0.3950

 7.7064, 0.2566,
0.5597

259.2951, 0.3016,
0.3905

 3.9076, 0.2323,
0.6298

311.2341, 0.3024,

 1.6220, 0.1496,

0.3866

0.8504

369.6832, 0.3031,
0.3832

0.3724, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8506, 0.2924,
0.4323

62.8506, 0.2924,
0.4323

60.7679, 0.2893,
0.4606

65.4186, 0.2963,
0.4053

59.1317, 0.2875,
0.4892

68.4920, 0.3008,
0.3803


57.9102, 0.2870,
0.5166

72.0994, 0.3056,
0.3576

57.0635, 0.2881,
0.5415

76.2648, 0.3105,
0.3374

 56.5435, 0.2905,
0.5623

 81.0108, 0.3153,
0.3197

 56.3589, 0.2921,
0.5716

 84.5283, 0.3139,
0.3039

Harmonies

Analogous

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



62.8506, 0.3583, 0.4540



62.8506, 0.2924, 0.4323



62.8506, 0.2354, 0.3705

Triad

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



62.8506, 0.2924, 0.4323



62.8506, 0.2134, 0.2267



62.8506, 0.4382, 0.3368

Complementary

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



62.8506, 0.2924, 0.4323



36.1252, 0.3434, 0.2448

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.



62.8506, 0.3906, 0.2882



62.8506, 0.2924, 0.4323



62.8506, 0.2577, 0.2276

Square

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



62.8506, 0.2924, 0.4323



62.8506, 0.1941, 0.2503



62.8506, 0.3220, 0.2496



62.8506, 0.4462, 0.3881

Rectangle

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



62.8506, 0.2924, 0.4323



62.8506, 0.2096, 0.3227



62.8506, 0.3220, 0.2496



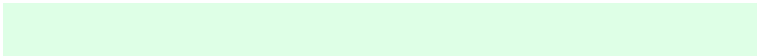
62.8506, 0.4262, 0.3199

Sweetspot

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



62.8532, 0.2924, 0.4323



92.7570, 0.3063, 0.3544



70.3438, 0.3592, 0.4464



19.6170, 0.3052, 0.3592



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.



62.8532, 0.2924, 0.4323



77.6054, 0.2894, 0.4598



64.8887, 0.2655, 0.3619



16.1493, 0.3081, 0.3470



32.2343, 0.2914, 0.5692



2.3968, 0.2836, 0.5408

Inverse Universe

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



36.1252, 0.3434, 0.2448



39.2105, 0.3525, 0.2284



34.0979, 0.4008, 0.2997



14.5490, 0.3177, 0.3117



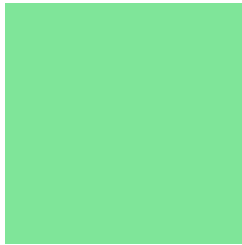
11.2149, 0.3980, 0.1966



0.8436, 0.3843, 0.1891

Previews

White Background



This preview shows how the Yxy color 62.8506, 0.2924, 0.4323 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 62.8506, 0.2924, 0.4323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

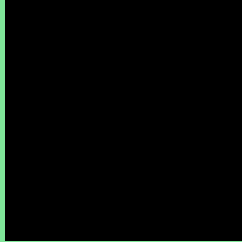
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8506, 0.2924, 0.4323

Background



This preview shows how black text looks on a background with the Yxy color 62.8506, 0.2924, 0.4323.



This preview shows how white text looks on a background with the Yxy color 62.8506, 0.2924, 0.4323.

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

62.8506, 0.2924, 0.4323

Protanopia

61.8138, 0.3727, 0.4010

Deuteranopia

61.8035, 0.3786, 0.3705



Tritanopia

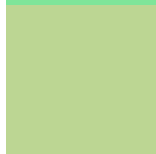
62.8302, 0.2566, 0.3082

Trichromacy



Original Color

62.8506, 0.2924, 0.4323



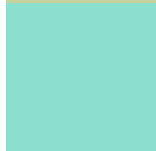
Protanomaly

60.8911, 0.3390, 0.4124



Deuteranomaly

60.3146, 0.3427, 0.3922



Tritanomaly

62.7206, 0.2694, 0.3507

Monochromacy



Original Color

62.8506, 0.2924, 0.4323



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.5755, 0.3036, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8506, 0.2924, 0.4323 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(127, 229, 153)` looks like.

```
.text, #text, p{  
    color:rgb(127, 229, 153)  
}
```

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(127, 229, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 229, 153) }
```

Border

The CSS property to change the border of an element to Yxy 62.8506, 0.2924, 0.4323 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(127, 229, 153) }
```

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

```
.border{ border-color:rgb(127, 229, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 229, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 229, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 229, 153);  
box-shadow:4px 4px 4px 4px rgb(127, 229,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8506, 0.2924, 0.4323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 229, 153) }
```

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

```
.background{ background-color: rgb(127,  
229, 153) }
```

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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