

Converting Colors

$Yxy(62.8289, 0.3158, 0.4207)$

Have a look what the booklet for
Yxy(62.8289, 0.3158, 0.4207)
contains.

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Color

Yxy(62.8289, 0.3158, 0.4207)

Conversions

Conversions Part 1

Format	Color
Hex	A3DF98
RGB	163, 223, 152
RGB Percent	64%, 87%, 60%
CMY	0.3607, 0.1255, 0.4039
CMYK	0.27, 0.00, 0.32, 0.13
HSL	111°, 53%, 74%
HSV	111°, 32%, 87%
XYZ	47.1627, 62.8289, 39.3521
YIQ	196.9660, -12.9690, -34.8010

Conversions

Conversions Part 2

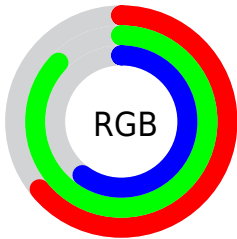
Format	Color
RYB	152, 223, 212
Decimal	10739608
CIELab	83.35, -32.40, 28.83
CIELCh	83, 43.372, 138.331
Yxy	62.8289, 0.3158, 0.4207
Android (android.graphics.Color)	4288929688 (0xFFA3DF98)
YUV	196.9660, -22.1682, -29.7882
Hunter-Lab	79.2647, -32.5051, 26.0499

Details

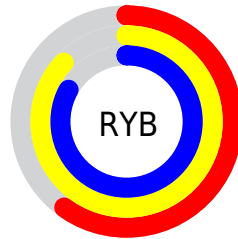
The Yxy color **62.8289, 0.3158, 0.4207** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.7851, 0.3066, 0.2478**, and the grayscale version is **55.9594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0851, 0.3178, 0.3797**, and **31.8087, 0.3148, 0.4464** is the 20% darker color. If you saturate the color by 10%, you get **60.3248, 0.3160, 0.4546**, and if you desaturate by 10%, it is **65.7721, 0.3152, 0.3888**.

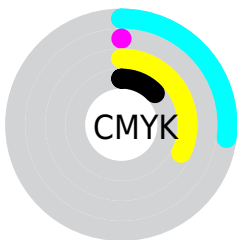
Distribution



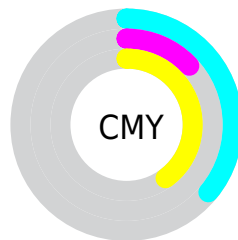
- Red (64%)
- Green (87%)
- Blue (60%)



- Red (60%)
- Yellow (87%)
- Blue (83%)



- Cyan (27%)
- Magenta (0%)
- Yellow (32%)
- Black (13%)





- Cyan (36%)
- Magenta (13%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8289, 0.3158, 0.4207 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 62.8289, 0.3158, 0.4207 by changing the saturation by 10% instead.


 62.8289, 0.3158,
0.4207

 62.8289, 0.3158,
0.4207


434.9483, 0.3156,
0.3750

 45.7028, 0.3154,
0.4320


 108.9226, 0.3160,
0.4042

 32.0114, 0.3147,
0.4463


 138.6591, 0.3160,
0.3979

 21.3702, 0.3134,
0.4652


173.3677, 0.3160,
0.3927

 13.3949, 0.3109,
0.4910

213.4330, 0.3160,
0.3881

 7.7010, 0.3058,
0.5281

259.2393, 0.3159,
0.3842

 3.9042, 0.2947,
0.5855

311.1710, 0.3158,

 1.6201, 0.2748,

0.3807

0.7252

369.6125, 0.3157,
0.3777

0.3711, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

62.8289, 0.3158,
0.4207

62.8289, 0.3158,
0.4207

60.3248, 0.3160,
0.4546

65.7721, 0.3152,
0.3888

58.2310, 0.3155,
0.4890

69.1658, 0.3142,
0.3596

56.5276, 0.3143,
0.5220

73.0308, 0.3130,
0.3335

55.1900, 0.3123,
0.5511

77.3842, 0.3116,
0.3104

■ 54.1904, 0.3096,
0.5742

■ 81.2557, 0.3142,
0.2980

■ 53.4972, 0.3065,
0.5895

■ 53.1256, 0.3041,
0.5968

Harmonies

Analogous

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



62.8289, 0.3686, 0.4274



62.8289, 0.3158, 0.4207



62.8289, 0.2647, 0.3810

Triad

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



62.8289, 0.3158, 0.4207



62.8289, 0.2228, 0.2494



62.8289, 0.4037, 0.3225

Complementary

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



62.8289, 0.3158, 0.4207



41.7851, 0.3066, 0.2478

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.



62.8289, 0.3579, 0.2835



62.8289, 0.3158, 0.4207



62.8289, 0.2533, 0.2426

Square

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



62.8289, 0.3158, 0.4207



62.8289, 0.2141, 0.2776



62.8289, 0.3018, 0.2551



62.8289, 0.4224, 0.3655

Rectangle

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



62.8289, 0.3158, 0.4207



62.8289, 0.2383, 0.3442



62.8289, 0.3018, 0.2551



62.8289, 0.3908, 0.3087

Sweetspot

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



62.8316, 0.3158, 0.4207



94.6051, 0.3140, 0.3548



64.6283, 0.3644, 0.3962



20.0984, 0.3141, 0.3586



0.0000, 0.0000, 0.0000



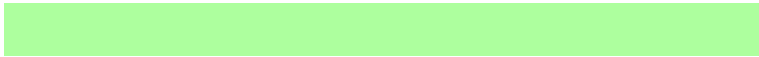
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



62.8316, 0.3158, 0.4207



82.8901, 0.3160, 0.4424



62.5742, 0.2942, 0.3906



15.4387, 0.3139, 0.3531



31.2678, 0.3047, 0.5963



2.1994, 0.3134, 0.5894

Inverse Universe

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



41.7851, 0.3066, 0.2478



50.2294, 0.3048, 0.2312



42.2882, 0.3378, 0.2747



13.8224, 0.3113, 0.3057



9.4916, 0.2821, 0.1328



0.6873, 0.2885, 0.1363

Previews

White Background



This preview shows how the Yxy color 62.8289, 0.3158, 0.4207 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 62.8289, 0.3158, 0.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

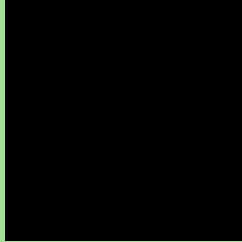
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 62.8289, 0.3158, 0.4207

Background



This preview shows how black text looks on a background with the Yxy color 62.8289, 0.3158, 0.4207.



This preview shows how white text looks on a background with the Yxy color 62.8289, 0.3158, 0.4207.

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
62.8289, 0.3158, 0.4207
Protanopia
62.3580, 0.3709, 0.3998
Deuteranopia
61.8772, 0.3818, 0.3736



Tritanopia

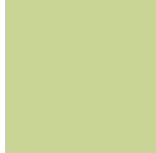
62.5318, 0.2765, 0.3088

Trichromacy



Original Color

62.8289, 0.3158, 0.4207



Protanomaly

62.1441, 0.3489, 0.4073



Deuteranomaly

61.2883, 0.3561, 0.3900



Tritanomaly

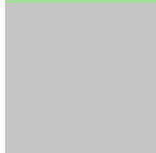
62.5479, 0.2904, 0.3475

Monochromacy



Original Color

62.8289, 0.3158, 0.4207



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

57.7931, 0.3143, 0.3602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8289, 0.3158, 0.4207 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(163, 223, 152)` looks like.

```
.text, #text, p{  
    color:rgb(163, 223, 152)  
}
```

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(163, 223, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 223, 152) }
```

Border

The CSS property to change the border of an element to Yxy 62.8289, 0.3158, 0.4207 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(163, 223, 152) }
```

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

```
.border{ border-color:rgb(163, 223, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 223, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 223, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 223, 152);  
box-shadow:4px 4px 4px 4px rgb(163, 223,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8289, 0.3158, 0.4207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 223, 152) }
```

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

```
.background{ background-color: rgb(163,  
223, 152) }
```

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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