

Converting Colors

$Yxy(55.6142, 0.2905, 0.4273)$

Have a look what the booklet for
Yxy(55.6142, 0.2905, 0.4273)
contains.

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Color

Yxy(55.7569, 0.2906, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	78D994
RGB	120, 217, 148
RGB Percent	47%, 85%, 58%
CMY	0.5292, 0.1490, 0.4195
CMYK	0.45, 0.00, 0.32, 0.15
HSL	137°, 56%, 66%
HSV	137°, 45%, 85%
XYZ	37.9105, 55.7569, 36.7886
YIQ	180.1310, -35.6630, -42.0230

Conversions

Conversions Part 2

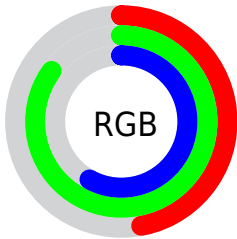
Format	Color
RYB	120, 195, 217
Decimal	7920020
CIELab	79.48, -43.48, 25.31
CIELCh	79, 50.310, 149.791
Yxy	55.7569, 0.2906, 0.4274
Android (android.graphics.Color)	4286110100 (0xFF78D994)
YUV	180.1310, -15.8406, -52.7349
Hunter-Lab	74.6705, -40.0483, 23.0585

Details

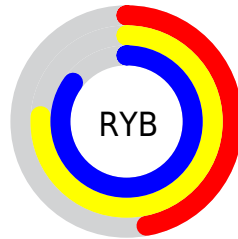
The Yxy color **55.7569, 0.2906, 0.4274** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **31.8726, 0.3469, 0.2483**, and the grayscale version is **45.8254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1314, 0.2953, 0.3895**, and **27.4096, 0.2822, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **53.9218, 0.2873, 0.4544**, and if you desaturate by 10%, it is **58.0134, 0.2948, 0.4017**.

Distribution



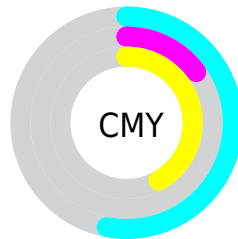
- Red (47%)
- Green (85%)
- Blue (58%)



- Red (47%)
- Yellow (76%)
- Blue (85%)



- Cyan (45%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)




- Cyan (53%)
- Magenta (15%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.7569, 0.2906, 0.4274 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 55.7569, 0.2906, 0.4274 by changing the saturation by 10% instead.


 55.7569, 0.2906,
0.4274


 55.7569, 0.2906,
0.4274


408.7747, 0.3028,
0.3768


 40.0080, 0.2872,
0.4404

 98.6491, 0.2953,
0.4087

 27.5448, 0.2826,
0.4572


 126.5611, 0.2970,
0.4018

 17.9828, 0.2761,
0.4799


 159.2964, 0.2984,
0.3960

 10.9377, 0.2665,
0.5119

197.2393, 0.2996,
0.3910

 6.0249, 0.2508,
0.5599

240.7742, 0.3006,
0.3867

 2.8602, 0.2247,
0.6450

290.2855, 0.3014,

 1.0592, 0.0000,

0.3830

1.0000

346.1575, 0.3022,
0.3797

0.0000, 0.0000,
0.0000

55.7569, 0.2906,
0.4274

55.7569, 0.2906,
0.4274

53.9218, 0.2873,
0.4544

58.0134, 0.2948,
0.4017

52.4746, 0.2852,
0.4818

60.7086, 0.2997,
0.3780

51.3878, 0.2847,
0.5085

63.8672, 0.3049,
0.3564

50.6271, 0.2858,
0.5331

67.5098, 0.3102,
0.3372

50.1511, 0.2883,
0.5543

71.6562, 0.3155,
0.3202

 49.9779, 0.2900,
0.5640

 76.3245, 0.3207,
0.3054

 78.1035, 0.3145,
0.2920

Harmonies

Analogous

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



55.7569, 0.3548, 0.4506



55.7569, 0.2906, 0.4274



55.7569, 0.2356, 0.3666

Triad

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



55.7569, 0.2906, 0.4274



55.7569, 0.2171, 0.2287



55.7569, 0.4359, 0.3389

Complementary

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



55.7569, 0.2906, 0.4274



31.8726, 0.3469, 0.2483

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.



55.7569, 0.3910, 0.2910



55.7569, 0.2906, 0.4274



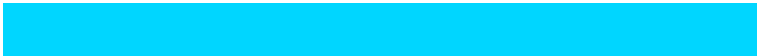
55.7569, 0.2614, 0.2304

Square

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



55.7569, 0.2906, 0.4274



55.7569, 0.1971, 0.2509



55.7569, 0.3247, 0.2527



55.7569, 0.4422, 0.3890

Rectangle

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



55.7569, 0.2906, 0.4274



55.7569, 0.2110, 0.3203



55.7569, 0.3247, 0.2527



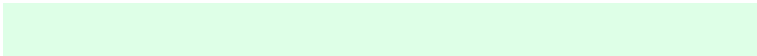
55.7569, 0.4247, 0.3224

Sweetspot

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



55.7592, 0.2906, 0.4274



92.8188, 0.3057, 0.3533



61.8675, 0.3566, 0.4473



19.6321, 0.3045, 0.3578



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.



55.7592, 0.2906, 0.4274



77.7579, 0.2873, 0.4539



57.6056, 0.2638, 0.3573



14.6677, 0.3077, 0.3461



30.2713, 0.2893, 0.5615



1.9759, 0.2802, 0.5285

Inverse Universe

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



31.8726, 0.3469, 0.2483



38.9731, 0.3573, 0.2323



30.1220, 0.4048, 0.3037



13.2075, 0.3182, 0.3125



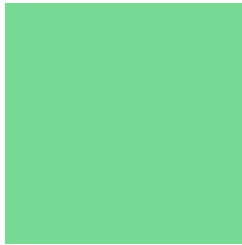
10.3694, 0.4098, 0.2031



0.6864, 0.3919, 0.1933

Previews

White Background



This preview shows how the Yxy color 55.7569, 0.2906, 0.4274 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 55.7569, 0.2906, 0.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

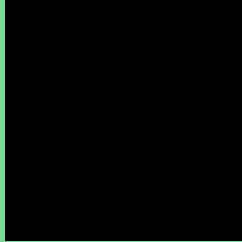
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.7569, 0.2906, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 55.7569, 0.2906, 0.4274.

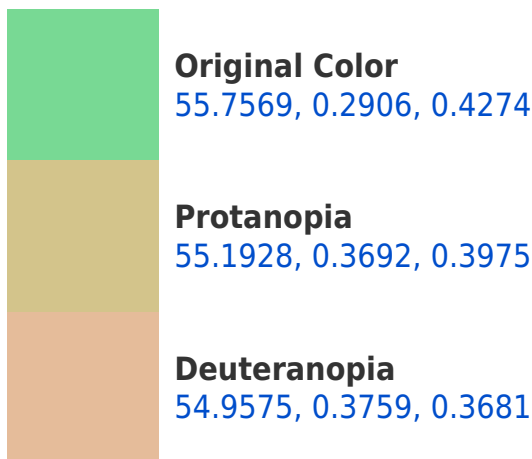


This preview shows how white text looks on a background with the Yxy color 55.7569, 0.2906, 0.4274.

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





Tritanopia

55.4107, 0.2563, 0.3071

Trichromacy



Original Color

55.7569, 0.2906, 0.4274



Protanomaly

54.6037, 0.3366, 0.4099



Deuteranomaly

53.9327, 0.3396, 0.3890



Tritanomaly

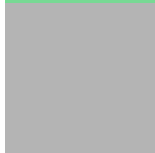
55.3993, 0.2686, 0.3491

Monochromacy



Original Color

55.7569, 0.2906, 0.4274



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

48.2362, 0.3032, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7569, 0.2906, 0.4274 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(120, 217, 148)` looks like.

```
.text, #text, p{  
    color:rgb(120, 217, 148)  
}
```

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(120, 217, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 217, 148) }
```

Border

The CSS property to change the border of an element to Yxy 55.7569, 0.2906, 0.4274 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(120, 217, 148) }
```

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

```
.border{ border-color:rgb(120, 217, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 217, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 217, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 217, 148); box-shadow:4px 4px 4px 4px rgb(120, 217, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7569, 0.2906, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 217, 148) }
```

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

```
.background{ background-color: rgb(120,  
217, 148) }
```

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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