

Converting Colors

Yxy(53.1531, 0.2959, 0.4265)

Have a look what the booklet for
Yxy(53.1531, 0.2959, 0.4265)
contains.

Yxy(52.9621, 0.2957, 0.4257)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(52.9621, 0.2957, 0.4257)

Conversions

Conversions Part 1

Format	Color
Hex	7DD390
RGB	125, 211, 144
RGB Percent	49%, 83%, 56%
CMY	0.5097, 0.1726, 0.4354
CMYK	0.41, 0.00, 0.32, 0.17
HSL	133°, 49%, 66%
HSV	133°, 41%, 83%
XYZ	36.7886, 52.9621, 34.6611
YIQ	177.6480, -29.7490, -39.0690

Conversions

Conversions Part 2

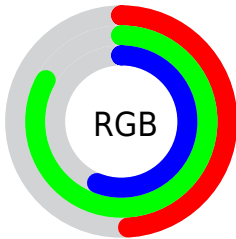
Format	Color
RYB	125, 195, 211
Decimal	8246160
CIELab	77.85, -40.15, 25.25
CIELCh	78, 47.433, 147.831
Yxy	52.9621, 0.2957, 0.4257
Android (android.graphics.Color)	4286436240 (0xFF7DD390)
YUV	177.6480, -16.5885, -46.1723
Hunter-Lab	72.7751, -37.1227, 22.7041

Details

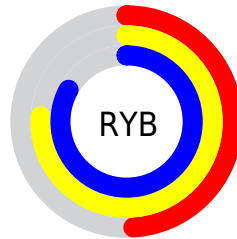
The Yxy color **52.9621, 0.2957, 0.4257** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **32.3342, 0.3366, 0.2489**, and the grayscale version is **44.4308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4210, 0.2997, 0.3938**, and **25.8693, 0.2888, 0.4559** is the 20% darker color. If you saturate the color by 10%, you get **51.0739, 0.2926, 0.4547**, and if you desaturate by 10%, it is **55.2653, 0.2995, 0.3983**.

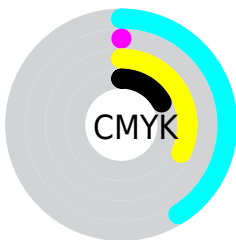
Distribution



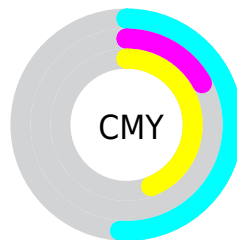
- Red (49%)
- Green (83%)
- Blue (56%)



- Red (49%)
- Yellow (76%)
- Blue (83%)



- Cyan (41%)
- Magenta (0%)
- Yellow (32%)
- Black (17%)





- Cyan (51%)
- Magenta (17%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.9621, 0.2957, 0.4257 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 52.9621, 0.2957, 0.4257 by changing the saturation by 10% instead.

 52.9621, 0.2957,
0.4257

 52.9621, 0.2957,
0.4257

398.1397, 0.3055,
0.3757

 37.7725, 0.2928,
0.4387


 94.5486, 0.2996,
0.4072

 25.8062, 0.2889,
0.4555

 121.7143, 0.3009,
0.4003

 16.6787, 0.2833,
0.4784

 153.6408, 0.3020,
0.3945

 10.0057, 0.2746,
0.5108

190.7126, 0.3030,
0.3896

 5.4027, 0.2600,
0.5599

233.3139, 0.3037,
0.3854

 2.4854, 0.2385,
0.6590

281.8293, 0.3044,

 0.8693, 0.0000,

0.3817

1.0000

336.6431, 0.3050,
0.3785

■ 0.0000, 0.0000,
0.0000

■ 52.9621, 0.2957,
0.4257

■ 52.9621, 0.2957,
0.4257

■ 51.0739, 0.2926,
0.4547

■ 55.2653, 0.2995,
0.3983

■ 49.5695, 0.2904,
0.4843

■ 57.9995, 0.3037,
0.3731

■ 48.4236, 0.2894,
0.5131


■ 61.1879, 0.3080,
0.3505

■ 47.6050, 0.2898,
0.5394

■ 64.8501, 0.3124,
0.3304

■ 47.0771, 0.2915,
0.5616

■ 69.0044, 0.3167,
0.3128

 46.7895, 0.2938,
0.5776

 73.6683, 0.3207,
0.2974

 75.0683, 0.3147,
0.2861

Harmonies

Analogous

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



52.9621, 0.3575, 0.4454



52.9621, 0.2957, 0.4257



52.9621, 0.2416, 0.3694

Triad

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



52.9621, 0.2957, 0.4257



52.9621, 0.2186, 0.2330



52.9621, 0.4291, 0.3358

Complementary

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



52.9621, 0.2957, 0.4257



32.3342, 0.3366, 0.2489

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.



52.9621, 0.3840, 0.2898



52.9621, 0.2957, 0.4257



52.9621, 0.2600, 0.2331

Square

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



52.9621, 0.2957, 0.4257



52.9621, 0.2008, 0.2564



52.9621, 0.3200, 0.2535



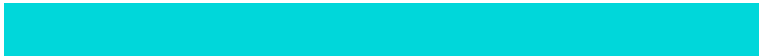
52.9621, 0.4380, 0.3842

Rectangle

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



52.9621, 0.2957, 0.4257



52.9621, 0.2167, 0.3251



52.9621, 0.3200, 0.2535



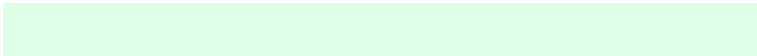
52.9621, 0.4176, 0.3198

Sweetspot

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



52.9643, 0.2957, 0.4257



93.2089, 0.3074, 0.3535



59.3255, 0.3579, 0.4348



19.8063, 0.3068, 0.3564



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.



52.9643, 0.2957, 0.4257



78.7241, 0.2929, 0.4512



54.5239, 0.2705, 0.3625



13.2483, 0.3086, 0.3476



28.2503, 0.2932, 0.5754



1.5918, 0.2833, 0.5399

Inverse Universe

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



32.3342, 0.3366, 0.2489



42.8104, 0.3434, 0.2328



30.7085, 0.3858, 0.2987



11.9626, 0.3171, 0.3111



10.0023, 0.3854, 0.1897



0.5706, 0.3713, 0.1819

Previews

White Background



This preview shows how the Yxy color 52.9621, 0.2957, 0.4257 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 52.9621, 0.2957, 0.4257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

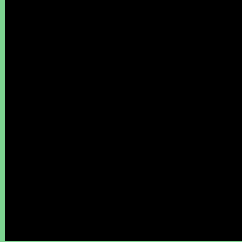
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.9621, 0.2957, 0.4257

Background



This preview shows how black text looks on a background with the Yxy color 52.9621, 0.2957, 0.4257.

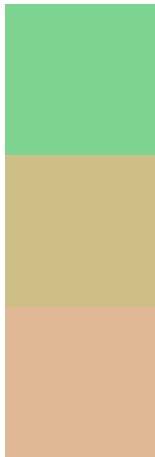


This preview shows how white text looks on a background with the Yxy color 52.9621, 0.2957, 0.4257.

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

52.9621, 0.2957, 0.4257

Protanopia

52.1327, 0.3698, 0.3979

Deuteranopia

52.3303, 0.3763, 0.3689



Tritanopia

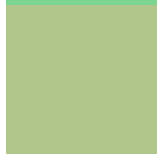
52.9657, 0.2604, 0.3081

Trichromacy



Original Color

52.9621, 0.2957, 0.4257



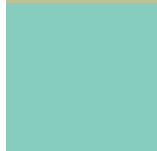
Protanomaly

51.5703, 0.3400, 0.4086



Deuteranomaly

51.4131, 0.3429, 0.3885



Tritanomaly

52.5751, 0.2729, 0.3480

Monochromacy



Original Color

52.9621, 0.2957, 0.4257



Achromatopsia

44.5201, 0.3127, 0.3290



Achromatomaly

46.9510, 0.3055, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.9621, 0.2957, 0.4257 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(125, 211, 144)` looks like.

```
.text, #text, p{  
    color:rgb(125, 211, 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(125, 211, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 211, 144) }
```

Border

The CSS property to change the border of an element to Yxy 52.9621, 0.2957, 0.4257 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(125, 211, 144) }
```

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

```
.border{ border-color:rgb(125, 211, 144) }
```

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

Here you see how a box with a 4 pixel rgb(125, 211, 144) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 211, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 211, 144);  
box-shadow:4px 4px 4px 4px rgb(125, 211,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 52.9621, 0.2957, 0.4257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 211, 144) }
```

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

```
.background{ background-color: rgb(125,  
211, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor