

Converting Colors

$Yxy(53.1199, 0.2730, 0.4228)$

Have a look what the booklet for
Yxy(53.1199, 0.2730, 0.4228)
contains.

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Color

Yxy(53.0920, 0.2731, 0.4230)

Conversions

Conversions Part 1

Format	Color
Hex	5BD798
RGB	91, 215, 152
RGB Percent	36%, 84%, 60%
CMY	0.6434, 0.1568, 0.4039
CMYK	0.58, 0.00, 0.29, 0.16
HSL	150°, 61%, 60%
HSV	150°, 58%, 84%
XYZ	34.2776, 53.0920, 38.1434
YIQ	170.7420, -53.6810, -45.8810

Conversions

Conversions Part 2

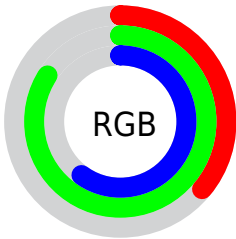
Format	Color
RYB	91, 174, 215
Decimal	6018968
CIELab	77.93, -48.97, 20.96
CIElCh	78, 53.265, 156.829
Yxy	53.0920, 0.2731, 0.4230
Android (android.graphics.Color)	4284209048 (0xFF5BD798)
YUV	170.7420, -9.2398, -69.9337
Hunter-Lab	72.8643, -43.5405, 19.9675

Details

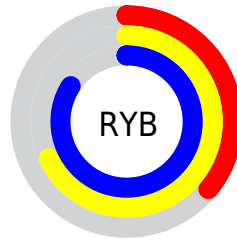
The Yxy color **53.0920, 0.2731, 0.4230** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **24.2533, 0.3953, 0.2550**, and the grayscale version is **40.6495, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.5090, 0.2786, 0.3857**, and **25.8140, 0.2604, 0.4511** is the 20% darker color. If you saturate the color by 10%, you get **51.8128, 0.2702, 0.4429**, and if you desaturate by 10%, it is **54.7214, 0.2777, 0.4037**.

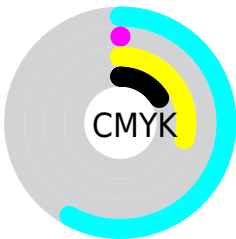
Distribution



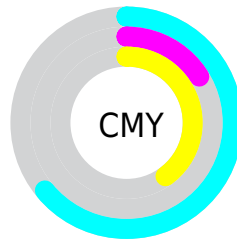
- Red (36%)
- Green (84%)
- Blue (60%)



- Red (36%)
- Yellow (68%)
- Blue (84%)



- Cyan (58%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)




- Cyan (64%)
- Magenta (16%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0920, 0.2731, 0.4230 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 53.0920, 0.2731, 0.4230 by changing the saturation by 10% instead.

 53.0920, 0.2731,
0.4230


 53.0920, 0.2731,
0.4230

398.6380, 0.2938,
0.3743

 37.8762, 0.2677,
0.4357


 94.7397, 0.2808,
0.4049

 25.8866, 0.2606,
0.4522


 121.9405, 0.2837,
0.3982

 16.7388, 0.2508,
0.4747


 153.9050, 0.2860,
0.3926

 10.0485, 0.2369,
0.5067

 191.0177, 0.2881,
0.3879

 5.4311, 0.2153,
0.5558

233.6629, 0.2898,
0.3837

 2.5024, 0.1777,
0.6434

282.2251, 0.2913,

 0.8778, 0.0000,

0.3802

1.0000

337.0887, 0.2926,
0.3770

0.0000, 0.0000,
0.0000

53.0920, 0.2731,
0.4230

53.0920, 0.2731,
0.4230

51.8128, 0.2702,
0.4429

54.7214, 0.2777,
0.4037

50.8488, 0.2691,
0.4629

56.7196, 0.2837,
0.3854

50.1689, 0.2701,
0.4825

59.1115, 0.2906,
0.3684

49.7272, 0.2729,
0.5010

61.9180, 0.2983,
0.3528

49.6424, 0.2736,
0.5051

65.1585, 0.3064,
0.3388

■ 68.8509, 0.3146,
0.3262

■ 73.0125, 0.3228,
0.3151

■ 76.1194, 0.3252,
0.3049

■ 76.7859, 0.3177,
0.2945

Harmonies

Analogous

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



53.0920, 0.3410, 0.4591



53.0920, 0.2731, 0.4230



53.0920, 0.2194, 0.3513

Triad

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



53.0920, 0.2731, 0.4230



53.0920, 0.2194, 0.2204



53.0920, 0.4508, 0.3513

Complementary

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



53.0920, 0.2731, 0.4230



24.2533, 0.3953, 0.2550

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.



53.0920, 0.4113, 0.2994



53.0920, 0.2731, 0.4230



53.0920, 0.2720, 0.2279

Square

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



53.0920, 0.2731, 0.4230



53.0920, 0.1922, 0.2372



53.0920, 0.3426, 0.2559



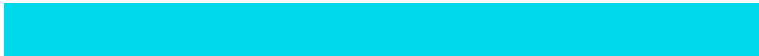
53.0920, 0.4467, 0.4040

Rectangle

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



53.0920, 0.2731, 0.4230



53.0920, 0.1979, 0.3028



53.0920, 0.3426, 0.2559



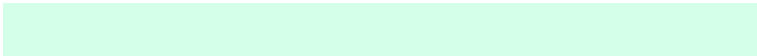
53.0920, 0.4423, 0.3335

Sweetspot

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



53.0941, 0.2731, 0.4230



91.3472, 0.2987, 0.3520



56.3334, 0.3462, 0.4911



19.3604, 0.2971, 0.3550



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.



53.0941, 0.2731, 0.4230



75.9240, 0.2698, 0.4469



55.6285, 0.2421, 0.3316



13.9968, 0.3050, 0.3411



29.7104, 0.2729, 0.5024



1.8087, 0.2640, 0.4704

Inverse Universe

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



24.2533, 0.3953, 0.2550



29.7020, 0.4222, 0.2452



22.7120, 0.4861, 0.3272



12.5250, 0.3212, 0.3172



9.3256, 0.4914, 0.2481



0.5792, 0.4540, 0.2275

Previews

White Background



This preview shows how the Yxy color 53.0920, 0.2731, 0.4230 looks on a white background.

Color Contrast Check

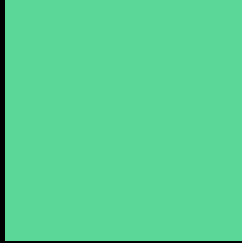
Large Text (above 18pt) WCAG AA × Fail

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 53.0920, 0.2731, 0.4230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

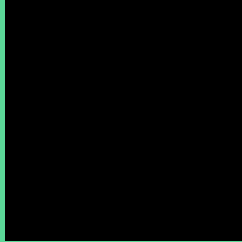
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.0920, 0.2731, 0.4230

Background



This preview shows how black text looks on a background with the Yxy color 53.0920, 0.2731, 0.4230.

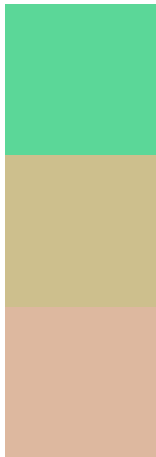


This preview shows how white text looks on a background with the Yxy color 53.0920, 0.2731, 0.4230.

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

53.0920, 0.2731, 0.4230

Protanopia

52.1638, 0.3642, 0.3908

Deuteranopia

52.1563, 0.3659, 0.3586



Tritanopia

52.9810, 0.2439, 0.3063

Trichromacy



Original Color

53.0920, 0.2731, 0.4230



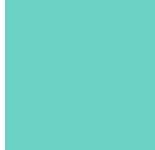
Protanomaly

51.2454, 0.3238, 0.4040



Deuteranomaly

50.4292, 0.3247, 0.3811



Tritanomaly

52.6354, 0.2542, 0.3456

Monochromacy



Original Color

53.0920, 0.2731, 0.4230



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

43.9718, 0.2936, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0920, 0.2731, 0.4230 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(91, 215, 152)` looks like.

```
.text, #text, p{  
    color:rgb(91, 215, 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(91, 215, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 215, 152) }
```

Border

The CSS property to change the border of an element to Yxy 53.0920, 0.2731, 0.4230 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(91, 215, 152) }
```

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

```
.border{ border-color:rgb(91, 215, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 215, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 215, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 215, 152);  
box-shadow:4px 4px 4px 4px rgb(91, 215,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0920, 0.2731, 0.4230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 215, 152) }
```

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

```
.background{ background-color: rgb(91, 215,  
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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