

Converting Colors

$Yxy(41.8604, 0.2197, 0.2919)$

Have a look what the booklet for
Yxy(41.8604, 0.2197, 0.2919)
contains.

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Color

Yxy(41.8546, 0.2197, 0.2919)

Conversions

Conversions Part 1

Format	Color
Hex	2FBDD6
RGB	47, 189, 214
RGB Percent	18%, 74%, 84%
CMY	0.8161, 0.2588, 0.1608
CMYK	0.78, 0.12, 0.00, 0.16
HSL	189°, 67%, 51%
HSV	189°, 78%, 84%
XYZ	31.5021, 41.8546, 70.0301
YIQ	149.3920, -92.6570, -22.3290

Conversions

Conversions Part 2

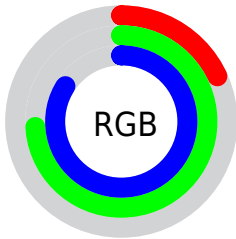
Format	Color
R_{YB}	47, 124, 214
Decimal	3128790
CIE Lab	70.77, -27.99, -23.03
CIE LCh	71, 36.249, 219.453
Yxy	41.8546, 0.2197, 0.2919
Android (android.graphics.Color)	4281318870 (0xFF2FBDD6)
YUV	149.3920, 31.8517, -89.7978
Hunter-Lab	64.6951, -26.2993, -18.8927

Details

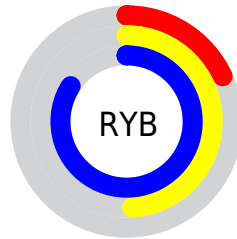
The Yxy color **41.8546, 0.2197, 0.2919** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle washed azure. A complement of this color would be **19.1164, 0.5613, 0.3513**, and the grayscale version is **30.1079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1246, 0.2425, 0.3183**, and **19.8311, 0.2114, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **40.1062, 0.2149, 0.2866**, and if you desaturate by 10%, it is **43.8853, 0.2265, 0.2972**.

Distribution



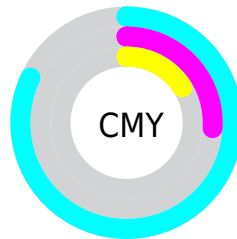
- Red (18%)
- Green (74%)
- Blue (84%)



- Red (18%)
- Yellow (49%)
- Blue (84%)



- Cyan (78%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)





- Cyan (82%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.8546, 0.2197, 0.2919 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 41.8546, 0.2197, 0.2919 by changing the saturation by 10% instead.


 41.8546, 0.2197,
0.2919


 41.8546, 0.2197,
0.2919


353.8798, 0.2651,
0.3121


 28.9875, 0.2089,
0.2864


 77.9795, 0.2359,
0.2996


 19.0713, 0.1953,
0.2792


 102.0061, 0.2420,
0.3023


 11.7218, 0.1778,
0.2693


 130.5213, 0.2473,
0.3047

 6.5546, 0.1548,
0.2550

 163.9094, 0.2519,
0.3066

 3.1851, 0.1237,
0.2331

 202.5550, 0.2558,
0.3083

 1.2291, 0.0727,
0.1986

246.8423, 0.2593,

 0.0853, 0.0000,

0.3097

0.0428

297.1558, 0.2624,
0.3110

■ 0.0000, 0.0000,
0.0000

■ 41.8546, 0.2197,
0.2919

■ 41.8546, 0.2197,
0.2919

■ 40.1062, 0.2149,
0.2866

■ 43.8853, 0.2265,
0.2972

■ 38.5886, 0.2117,
0.2813

■ 46.2260, 0.2351,
0.3025

■ 38.3115, 0.2112,
0.2803

■ 48.9060, 0.2456,
0.3077

■ 51.9494, 0.2576,
0.3127

■ 55.3781, 0.2710,
0.3174

■ 59.2124, 0.2853,
0.3219

■ 63.4707, 0.3003,
0.3259

■ 68.1705, 0.3157,
0.3297

■ 73.3281, 0.3312,
0.3331

Harmonies

Analogous

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



41.8546, 0.2402, 0.3416



41.8546, 0.2197, 0.2919



41.8546, 0.2215, 0.2586

Triad

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



41.8546, 0.2197, 0.2919



41.8546, 0.3403, 0.2759



41.8546, 0.3797, 0.4192

Complementary

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



41.8546, 0.2197, 0.2919



19.1164, 0.5613, 0.3513

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.



41.8546, 0.4114, 0.3916



41.8546, 0.2197, 0.2919



41.8546, 0.3889, 0.3111

Square

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



41.8546, 0.2197, 0.2919



41.8546, 0.2873, 0.2526



41.8546, 0.4156, 0.3522



41.8546, 0.3314, 0.4219

Rectangle

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



41.8546, 0.2197, 0.2919



41.8546, 0.2349, 0.2478



41.8546, 0.4156, 0.3522



41.8546, 0.3927, 0.4121

Sweetspot

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



41.8561, 0.2197, 0.2919



85.0559, 0.2778, 0.3196



49.1221, 0.2949, 0.5509



17.7696, 0.2727, 0.3180



0.0000, 0.0000, 0.0000



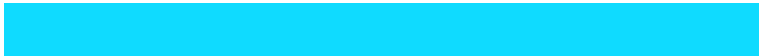
21.4041, 0.3127, 0.3290

Same Dimension

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



41.8561, 0.2197, 0.2919



58.0748, 0.2126, 0.2830



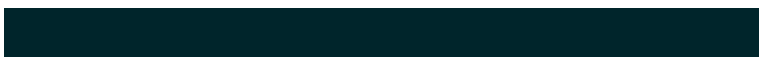
16.2145, 0.1856, 0.1611



13.7768, 0.2983, 0.3254



23.2803, 0.2114, 0.2811



1.4920, 0.2140, 0.2902

Inverse Universe

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



19.9932, 0.3514, 0.1852



26.7335, 0.3605, 0.1778



37.1897, 0.4682, 0.4399



12.5993, 0.3160, 0.3094



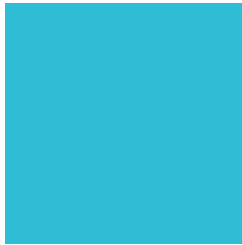
10.6950, 0.3624, 0.1770



0.6539, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 41.8546, 0.2197, 0.2919 looks on a white background.

Color Contrast Check

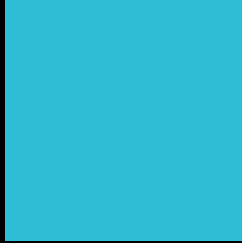
Large Text (above 18pt) WCAG AA × Fail

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 41.8546, 0.2197, 0.2919 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 41.8546, 0.2197, 0.2919

Background



This preview shows how black text looks on a background with the Yxy color 41.8546, 0.2197, 0.2919.

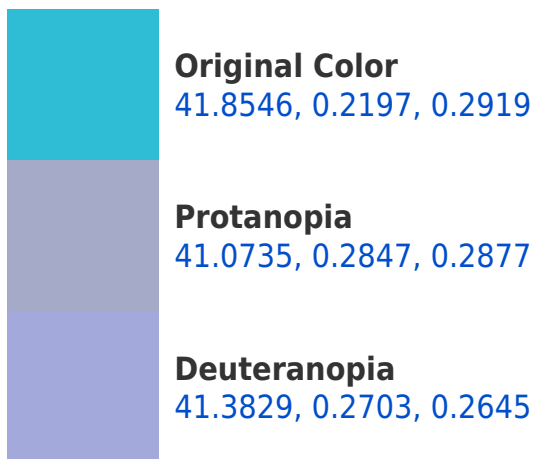


This preview shows how white text looks on a background with the Yxy color 41.8546, 0.2197, 0.2919.

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

41.7145, 0.2219, 0.3046

Trichromacy



Original Color

41.8546, 0.2197, 0.2919



Protanomaly

40.1115, 0.2512, 0.2877



Deuteranomaly

40.1254, 0.2435, 0.2719



Tritanomaly

41.9226, 0.2212, 0.3003

Monochromacy



Original Color

41.8546, 0.2197, 0.2919



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.0128, 0.2620, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.8546, 0.2197, 0.2919 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(47, 189, 214)` looks like.

```
.text, #text, p{  
    color:rgb(47, 189, 214)  
}
```

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(47, 189, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 189, 214) }
```

Border

The CSS property to change the border of an element to Yxy 41.8546, 0.2197, 0.2919 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(47, 189, 214) }
```

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

```
.border{ border-color:rgb(47, 189, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 189, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 189, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 189, 214);  
box-shadow:4px 4px 4px 4px rgb(47, 189,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 41.8546, 0.2197, 0.2919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 189, 214) }
```

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

```
.background{ background-color: rgb(47, 189,  
214) }
```

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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