

Converting Colors

$Y_{xy}(51.2988, 0.2542, 0.2989)$

Have a look what the booklet for
Yxy(51.2988, 0.2542, 0.2989)
contains.

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Color

Yxy(51.2717, 0.2541, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	87C7DE
RGB	135, 199, 222
RGB Percent	53%, 78%, 87%
CMY	0.4706, 0.2196, 0.1293
CMYK	0.39, 0.10, 0.00, 0.13
HSL	196°, 57%, 70%
HSV	196°, 39%, 87%
XYZ	43.6015, 51.2717, 76.7188
YIQ	182.4860, -45.5270, -6.4150

Conversions

Conversions Part 2

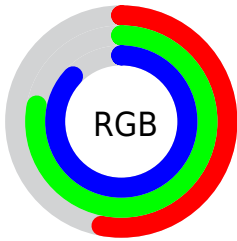
Format	Color
RYB	135, 172, 222
Decimal	8898526
CIELab	76.84, -14.57, -17.89
CIElCh	77, 23.075, 230.850
Yxy	51.2717, 0.2541, 0.2988
Android (android.graphics.Color)	4287088606 (0xFF87C7DE)
YUV	182.4860, 19.4804, -41.6452
Hunter-Lab	71.6043, -16.6146, -13.4020

Details

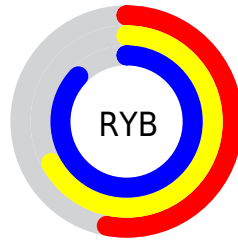
The Yxy color **51.2717, 0.2541, 0.2988** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.7421, 0.3995, 0.3568**, and the grayscale version is **46.9696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8164, 0.2757, 0.3289**, and **24.7463, 0.2389, 0.2897** is the 20% darker color. If you saturate the color by 10%, you get **46.9694, 0.2409, 0.2896**, and if you desaturate by 10%, it is **56.0662, 0.2683, 0.3074**.

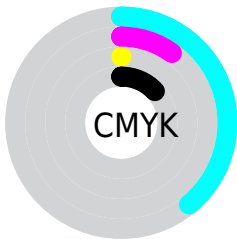
Distribution



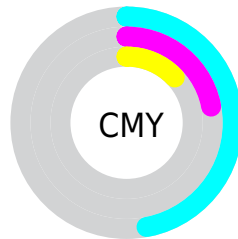
- Red (53%)
- Green (78%)
- Blue (87%)



- Red (53%)
- Yellow (67%)
- Blue (87%)



- Cyan (39%)
- Magenta (10%)
- Yellow (0%)
- Black (13%)



- Cyan (47%)
- Magenta (22%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2717, 0.2541, 0.2988 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 51.2717, 0.2541, 0.2988 by changing the saturation by 10% instead.

■ 51.2717, 0.2541,
0.2988

■ 51.2717, 0.2541,
0.2988

■ 391.6185, 0.2823,
0.3141

■ 36.4249, 0.2474,
0.2950

■ 92.0563, 0.2641,
0.3044

■ 24.7625, 0.2390,
0.2900

■ 118.7628, 0.2679,
0.3065

■ 15.9002, 0.2283,
0.2835

■ 150.1914, 0.2712,
0.3082

■ 9.4536, 0.2139,
0.2744

■ 186.7264, 0.2740,
0.3097

■ 5.0382, 0.1939,
0.2611

■ 228.7522, 0.2765,
0.3111

■ 2.2697, 0.1646,
0.2399

■ 276.6532, 0.2786,

■ 0.7576, 0.0990,

0.3122

0.2059

330.8138, 0.2806,
0.3132

0.0000, 0.0000,
0.0000

51.2717, 0.2541,
0.2988

51.2717, 0.2541,
0.2988

46.9694, 0.2409,
0.2896

56.0662, 0.2683,
0.3074

43.1282, 0.2291,
0.2801

61.3702, 0.2833,
0.3155

39.7222, 0.2190,
0.2702

67.2069, 0.2986,
0.3228

36.7195, 0.2108,
0.2602

73.5966, 0.3140,
0.3295

34.0830, 0.2047,
0.2503

80.5581, 0.3292,
0.3355

■ 31.7535, 0.2002,
0.2405

■ 85.5166, 0.3348,
0.3412

■ 31.5733, 0.1999,
0.2397

■ 88.9208, 0.3340,
0.3469

■ 92.4369, 0.3333,
0.3526

■ 96.0660, 0.3325,
0.3582

Harmonies

Analogous

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



51.2717, 0.2622, 0.3257



51.2717, 0.2541, 0.2988



51.2717, 0.2606, 0.2819

Triad

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



51.2717, 0.2541, 0.2988



51.2717, 0.3413, 0.3042



51.2717, 0.3437, 0.3848

Complementary

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



51.2717, 0.2541, 0.2988



41.7421, 0.3995, 0.3568

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.



51.2717, 0.3667, 0.3754



51.2717, 0.2541, 0.2988



51.2717, 0.3657, 0.3287

Square

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



51.2717, 0.2541, 0.2988



51.2717, 0.3098, 0.2859



51.2717, 0.3751, 0.3545



51.2717, 0.3131, 0.3779

Rectangle

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



51.2717, 0.2541, 0.2988



51.2717, 0.2726, 0.2777



51.2717, 0.3751, 0.3545



51.2717, 0.3526, 0.3833

Sweetspot

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



51.2737, 0.2541, 0.2988



89.5952, 0.2941, 0.3208



59.8301, 0.2947, 0.4180



18.9490, 0.2921, 0.3198



0.0000, 0.0000, 0.0000



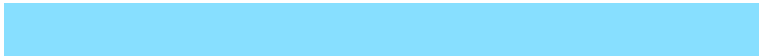
21.4041, 0.3127, 0.3290

Same Dimension

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



51.2737, 0.2541, 0.2988



65.3180, 0.2432, 0.2913



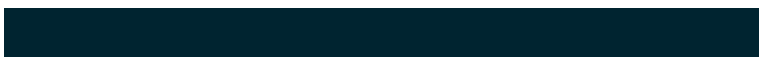
34.4572, 0.2451, 0.2400



14.9267, 0.2982, 0.3227



18.9410, 0.2003, 0.2411



1.4569, 0.2045, 0.2563

Inverse Universe

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



36.9844, 0.3394, 0.2556



43.9736, 0.3469, 0.2410



58.7135, 0.3801, 0.4041



13.8705, 0.3178, 0.3119



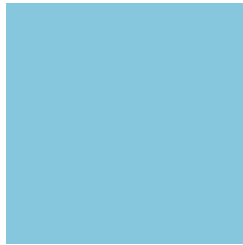
10.8201, 0.4012, 0.1984



0.7645, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 51.2717, 0.2541, 0.2988 looks on a white background.

Color Contrast Check

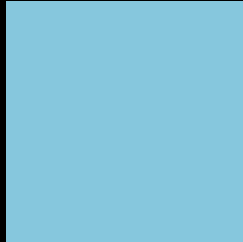
Large Text (above 18pt) WCAG AA × Fail

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 51.2717, 0.2541, 0.2988 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 51.2717, 0.2541, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 51.2717, 0.2541, 0.2988.



This preview shows how white text looks on a background with the Yxy color 51.2717, 0.2541, 0.2988.

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

51.2717, 0.2541, 0.2988

Protanopia

50.7100, 0.2912, 0.2959

Deuteranopia

51.0813, 0.2873, 0.2813



Tritanopia

51.2530, 0.2565, 0.3077

Trichromacy



Original Color

51.2717, 0.2541, 0.2988

Protanomaly

50.4868, 0.2762, 0.2961

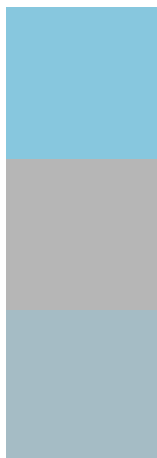
Deuteranomaly

50.7548, 0.2738, 0.2868

Tritanomaly

51.4388, 0.2559, 0.3052

Monochromacy



Original Color

51.2717, 0.2541, 0.2988

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.9970, 0.2879, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2717, 0.2541, 0.2988 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(135, 199, 222)` looks like.

```
.text, #text, p{  
    color:rgb(135, 199, 222)  
}
```

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(135, 199, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 199, 222) }
```

Border

The CSS property to change the border of an element to Yxy 51.2717, 0.2541, 0.2988 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(135, 199, 222) }
```

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

```
.border{ border-color:rgb(135, 199, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 199, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 199, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 199, 222); box-shadow:4px 4px 4px 4px rgb(135, 199, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2717, 0.2541, 0.2988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 199, 222) }
```

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

```
.background{ background-color: rgb(135,  
199, 222) }
```

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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