

Converting Colors

$Y_{xy}(48.0552, 0.2266, 0.2903)$

Have a look what the booklet for
Yxy(48.0552, 0.2266, 0.2903)
contains.

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Color

Yxy(48.0552, 0.2266, 0.2903)

Conversions

Conversions Part 1

Format	Color
Hex	4FC7E3
RGB	79, 199, 227
RGB Percent	31%, 78%, 89%
CMY	0.6903, 0.2196, 0.1098
CMYK	0.65, 0.12, 0.00, 0.11
HSL	191°, 73%, 60%
HSV	191°, 65%, 89%
XYZ	37.5105, 48.0552, 79.9706
YIQ	166.3120, -80.5080, -16.7320

Conversions

Conversions Part 2

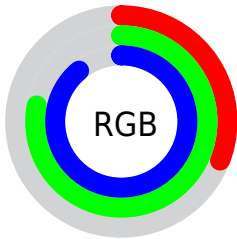
Format	Color
R_{YB}	79, 145, 227
Decimal	5228515
CIE _{Lab}	74.86, -24.88, -23.79
CIE _{LCh}	75, 34.428, 223.719
Yxy	48.0552, 0.2266, 0.2903
Android (android.graphics.Color)	4283418595 (0xFF4FC7E3)
YUV	166.3120, 29.9192, -76.5726
Hunter-Lab	69.3219, -24.7257, -19.8724

Details

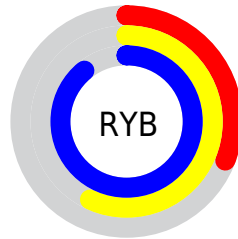
The Yxy color **48.0552, 0.2266, 0.2903** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **27.4028, 0.5018, 0.3587**, and the grayscale version is **38.1708, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5796, 0.2532, 0.3288**, and **23.2294, 0.2107, 0.2786** is the 20% darker color. If you saturate the color by 10%, you get **45.2968, 0.2187, 0.2834**, and if you desaturate by 10%, it is **51.2050, 0.2363, 0.2971**.

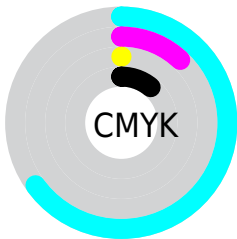
Distribution



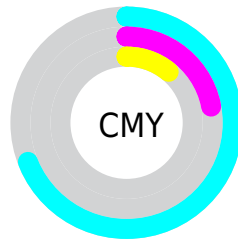
- Red (31%)
- Green (78%)
- Blue (89%)



- Red (31%)
- Yellow (57%)
- Blue (89%)



- Cyan (65%)
- Magenta (12%)
- Yellow (0%)
- Black (11%)





- Cyan (69%)
- Magenta (22%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.0552, 0.2266, 0.2903 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 48.0552, 0.2266, 0.2903 by changing the saturation by 10% instead.

 48.0552, 0.2266,
0.2903


 48.0552, 0.2266,
0.2903


379.0109, 0.2678,
0.3106

 33.8706, 0.2170,
0.2851


 87.2866, 0.2411,
0.2978


 22.7942, 0.2050,
0.2783


 113.1022, 0.2467,
0.3006

 14.4416, 0.1897,
0.2692


 143.5635, 0.2515,
0.3029

 8.4285, 0.1698,
0.2564


 179.0551, 0.2556,
0.3049

 4.3703, 0.1430,
0.2376

219.9612, 0.2592,
0.3066

 1.8828, 0.1061,
0.2079

266.6663, 0.2624,

 0.5380, 0.0000,

0.3081

0.1563

319.5547, 0.2653,
0.3094

0.0000, 0.0000,
0.0000

48.0552, 0.2266,
0.2903

48.0552, 0.2266,
0.2903

45.2968, 0.2187,
0.2834

51.2050, 0.2363,
0.2971

42.8885, 0.2128,
0.2765

54.7719, 0.2478,
0.3037


40.7883, 0.2088,
0.2697

58.7850, 0.2606,
0.3100


39.8573, 0.2073,
0.2664

63.2693, 0.2746,
0.3160

68.2476, 0.2894,
0.3215

 73.7413, 0.3047,
0.3265

 79.7702, 0.3201,
0.3311

 85.2813, 0.3316,
0.3353

 87.7463, 0.3311,
0.3395

Harmonies

Analogous

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



48.0552, 0.2428, 0.3339



48.0552, 0.2266, 0.2903



48.0552, 0.2311, 0.2621

Triad

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



48.0552, 0.2266, 0.2903



48.0552, 0.3448, 0.2845



48.0552, 0.3684, 0.4129

Complementary

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



48.0552, 0.2266, 0.2903



27.4028, 0.5018, 0.3587

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.



48.0552, 0.3998, 0.3910



48.0552, 0.2266, 0.2903



48.0552, 0.3867, 0.3182

Square

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



48.0552, 0.2266, 0.2903



48.0552, 0.2963, 0.2612



48.0552, 0.4072, 0.3562



48.0552, 0.3233, 0.4106

Rectangle

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



48.0552, 0.2266, 0.2903



48.0552, 0.2453, 0.2538



48.0552, 0.4072, 0.3562



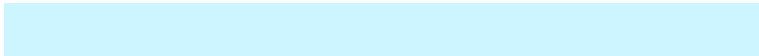
48.0552, 0.3810, 0.4078

Sweetspot

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



48.0570, 0.2266, 0.2903



85.5776, 0.2821, 0.3188



57.6420, 0.2921, 0.5057



17.9300, 0.2779, 0.3172



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.



48.0570, 0.2266, 0.2903



57.8890, 0.2166, 0.2811



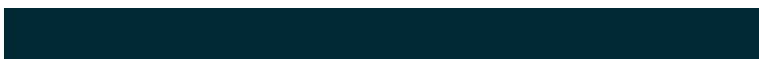
22.0896, 0.2006, 0.1807



15.8487, 0.2981, 0.3244



23.4073, 0.2076, 0.2674



1.8496, 0.2104, 0.2774

Inverse Universe

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



26.0424, 0.3512, 0.2042



29.1280, 0.3610, 0.1904



49.5876, 0.4360, 0.4374



14.5660, 0.3167, 0.3101



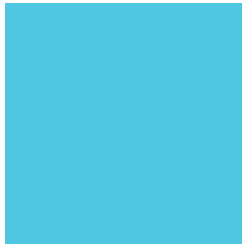
11.5607, 0.3753, 0.1841



0.8664, 0.3659, 0.1789

Previews

White Background



This preview shows how the Yxy color 48.0552, 0.2266, 0.2903 looks on a white background.

Color Contrast Check

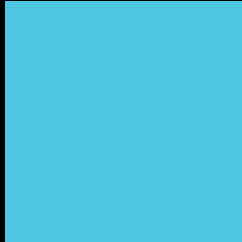
Large Text (above 18pt) WCAG AA × Fail

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 48.0552, 0.2266, 0.2903 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 48.0552, 0.2266, 0.2903

Background



This preview shows how black text looks on a background with the Yxy color 48.0552, 0.2266, 0.2903.



This preview shows how white text looks on a background with the Yxy color 48.0552, 0.2266, 0.2903.

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

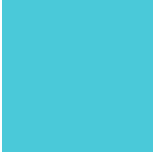
48.0552, 0.2266, 0.2903

Protanopia

47.1841, 0.2833, 0.2863

Deuteranopia

47.2398, 0.2724, 0.2656



Tritanopia

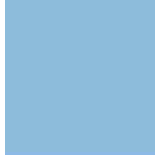
48.2389, 0.2300, 0.3062

Trichromacy



Original Color

48.0552, 0.2266, 0.2903



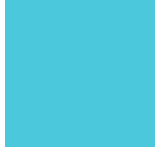
Protanomaly

46.7436, 0.2572, 0.2879



Deuteranomaly

46.4937, 0.2506, 0.2721



Tritanomaly

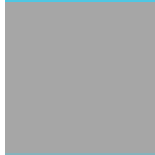
48.0655, 0.2286, 0.2995

Monochromacy



Original Color

48.0552, 0.2266, 0.2903



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

40.5400, 0.2701, 0.3144

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.0552, 0.2266, 0.2903 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(79, 199, 227)` looks like.

```
.text, #text, p{  
    color:rgb(79, 199, 227)  
}
```

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(79, 199, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 199, 227) }
```

Border

The CSS property to change the border of an element to Yxy 48.0552, 0.2266, 0.2903 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(79, 199, 227) }
```

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

```
.border{ border-color:rgb(79, 199, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 199, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 199, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 199, 227);  
box-shadow:4px 4px 4px 4px rgb(79, 199,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 48.0552, 0.2266, 0.2903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 199, 227) }
```

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

```
.background{ background-color: rgb(79, 199,  
227) }
```

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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