

Converting Colors

$Yxy(49.9871, 0.2167, 0.2771)$

Have a look what the booklet for
Yxy(49.9871, 0.2167, 0.2771)
contains.

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Color

Yxy(50.0525, 0.2167, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	3BCBF2
RGB	59, 203, 242
RGB Percent	23%, 80%, 95%
CMY	0.7686, 0.2039, 0.0510
CMYK	0.76, 0.16, 0.00, 0.05
HSL	193°, 88%, 59%
HSV	193°, 76%, 95%
XYZ	39.1849, 50.0525, 91.5881
YIQ	164.3900, -98.3430, -18.3990

Conversions

Conversions Part 2

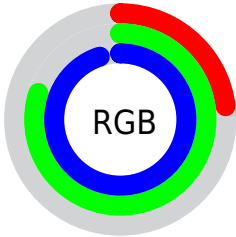
Format	Color
RYB	59, 140, 242
Decimal	3918834
CIELab	76.10, -24.86, -30.00
CIELCh	76, 38.959, 230.355
Yxy	50.0525, 0.2167, 0.2768
Android (android.graphics.Color)	4282108914 (0xFF3BCBF2)
YUV	164.3900, 38.2617, -92.4270
Hunter-Lab	70.7478, -24.9433, -27.2317

Details

The Yxy color **50.0525, 0.2167, 0.2768** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **27.9258, 0.5423, 0.3626**, and the grayscale version is **37.1720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **25.0401, 0.2066, 0.2638** is the 20% darker color. If you saturate the color by 10%, you get **47.0833, 0.2106, 0.2689**, and if you desaturate by 10%, it is **53.4486, 0.2248, 0.2847**.

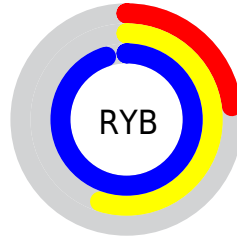
Distribution



Red (23%)

Green (80%)

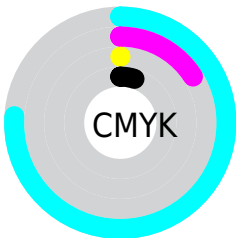
Blue (95%)



Red (23%)

Yellow (55%)

Blue (95%)

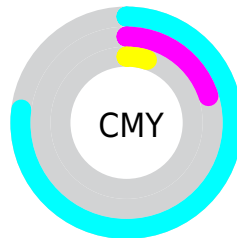


Cyan (76%)

Magenta (16%)

Yellow (0%)

Black (5%)



Cyan (77%)


Magenta (20%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0525, 0.2167, 0.2768 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 50.0525, 0.2167, 0.2768 by changing the saturation by 10% instead.


 50.0525, 0.2167,
0.2768

 50.0525, 0.2167,
0.2768


386.8712, 0.2619,
0.3035

 35.4551, 0.2063,
0.2701


 90.2527, 0.2324,
0.2866


 24.0137, 0.1936,
0.2616


 116.6242, 0.2386,
0.2902

 15.3438, 0.1776,
0.2504


 147.6893, 0.2438,
0.2933

 9.0610, 0.1572,
0.2351

 183.8323, 0.2484,
0.2959

 4.7810, 0.1304,
0.2135

225.4376, 0.2524,
0.2982

 2.1193, 0.0951,
0.1813

272.8896, 0.2560,

 0.6755, 0.0070,

0.3002

0.1348

326.5726, 0.2591,
0.3020

■ 0.0000, 0.0000,
0.0000

■ 50.0525, 0.2167,
0.2768

■ 50.0525, 0.2167,
0.2768

■ 47.0833, 0.2106,
0.2689

■ 53.4486, 0.2248,
0.2847

■ 44.4831, 0.2064,
0.2611

■ 57.3089, 0.2348,
0.2925

■ 43.4238, 0.2049,
0.2577

■ 61.6718, 0.2465,
0.3000

■ 66.5699, 0.2596,
0.3072

■ 72.0325, 0.2738,
0.3140

78.0869, 0.2887,
0.3202

84.7581, 0.3040,
0.3260

92.0698, 0.3195,
0.3312

95.6713, 0.3207,
0.3362

Harmonies

Analogous

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



50.0525, 0.2293, 0.3222



50.0525, 0.2167, 0.2768



50.0525, 0.2267, 0.2506

Triad

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



50.0525, 0.2167, 0.2768



50.0525, 0.3600, 0.2871



50.0525, 0.3639, 0.4249

Complementary

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



50.0525, 0.2167, 0.2768



27.9258, 0.5423, 0.3626

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.



50.0525, 0.4037, 0.4044



50.0525, 0.2167, 0.2768



50.0525, 0.4030, 0.3256

Square

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



50.0525, 0.2167, 0.2768



50.0525, 0.3058, 0.2586



50.0525, 0.4191, 0.3675



50.0525, 0.3123, 0.4159

Rectangle

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



50.0525, 0.2167, 0.2768



50.0525, 0.2452, 0.2448



50.0525, 0.4191, 0.3675



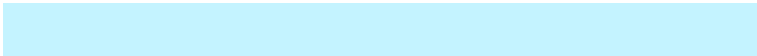
50.0525, 0.3792, 0.4208

Sweetspot

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



50.0543, 0.2167, 0.2768



82.8078, 0.2775, 0.3156



65.2636, 0.2907, 0.5323



17.2179, 0.2722, 0.3133



0.0000, 0.0000, 0.0000



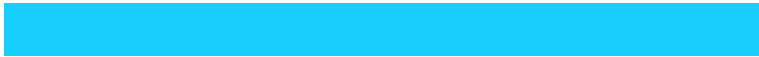
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0543, 0.2167, 0.2768



51.3335, 0.2080, 0.2645



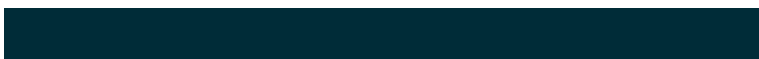
19.3542, 0.1838, 0.1493



17.3239, 0.2981, 0.3238



23.5374, 0.2053, 0.2590



2.0989, 0.2081, 0.2693

Inverse Universe

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



26.3165, 0.3646, 0.1960



26.3058, 0.3777, 0.1888



54.7718, 0.4533, 0.4498



15.9704, 0.3171, 0.3106



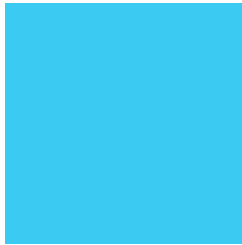
12.1695, 0.3834, 0.1886



1.0266, 0.3735, 0.1831

Previews

White Background



This preview shows how the Yxy color 50.0525, 0.2167, 0.2768 looks on a white background.

Color Contrast Check

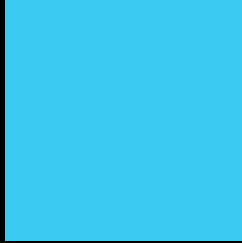
Large Text (above 18pt) WCAG AA × Fail

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 50.0525, 0.2167, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

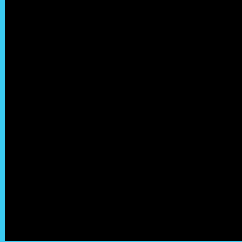
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0525, 0.2167, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 50.0525, 0.2167, 0.2768.



This preview shows how white text looks on a background with the Yxy color 50.0525, 0.2167, 0.2768.

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

50.0525, 0.2167, 0.2768

Protanopia

49.1682, 0.2742, 0.2741

Deuteranopia

49.1787, 0.2602, 0.2541



Tritanopia

49.9626, 0.2218, 0.3049

Trichromacy



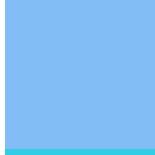
Original Color

50.0525, 0.2167, 0.2768



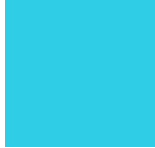
Protanomaly

48.1887, 0.2449, 0.2735



Deuteranomaly

48.1653, 0.2376, 0.2595



Tritanomaly

50.0042, 0.2198, 0.2943

Monochromacy



Original Color

50.0525, 0.2167, 0.2768



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.0822, 0.2620, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0525, 0.2167, 0.2768 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(59, 203, 242)` looks like.

```
.text, #text, p{  
    color:rgb(59, 203, 242)  
}
```

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(59, 203, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 203, 242) }
```

Border

The CSS property to change the border of an element to Yxy 50.0525, 0.2167, 0.2768 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(59, 203, 242) }
```

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

```
.border{ border-color:rgb(59, 203, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 203, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 203, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 203, 242);  
box-shadow:4px 4px 4px 4px rgb(59, 203,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0525, 0.2167, 0.2768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 203, 242) }
```

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

```
.background{ background-color: rgb(59, 203,  
242) }
```

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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