

Converting Colors

$Yxy(46.0903, 0.2184, 0.2815)$

Have a look what the booklet for
Yxy(46.0903, 0.2184, 0.2815)
contains.

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Color

Yxy(46.0926, 0.2184, 0.2815)

Conversions

Conversions Part 1

Format	Color
Hex	3AC4E6
RGB	58, 196, 230
RGB Percent	23%, 77%, 90%
CMY	0.7733, 0.2313, 0.0980
CMYK	0.75, 0.15, 0.00, 0.10
HSL	192°, 78%, 56%
HSV	192°, 75%, 90%
XYZ	35.7607, 46.0926, 81.8860
YIQ	158.6140, -93.1620, -18.6820

Conversions

Conversions Part 2

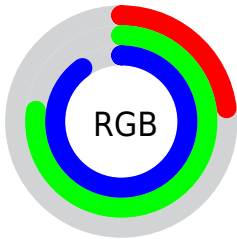
Format	Color
RYB	58, 135, 230
Decimal	3851494
CIELab	73.61, -25.27, -27.39
CIELCh	74, 37.264, 227.300
Yxy	46.0926, 0.2184, 0.2815
Android (android.graphics.Color)	4282041574 (0xFF3AC4E6)
YUV	158.6140, 35.1933, -88.2385
Hunter-Lab	67.8915, -24.7885, -23.9874

Details

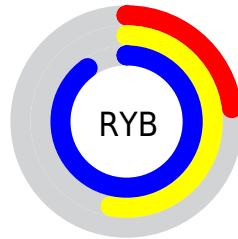
The Yxy color **46.0926, 0.2184, 0.2815** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **24.7505, 0.5412, 0.3600**, and the grayscale version is **34.3312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1377, 0.2474, 0.3265**, and **22.4020, 0.2082, 0.2693** is the 20% darker color. If you saturate the color by 10%, you get **43.5362, 0.2123, 0.2743**, and if you desaturate by 10%, it is **49.0216, 0.2264, 0.2887**.

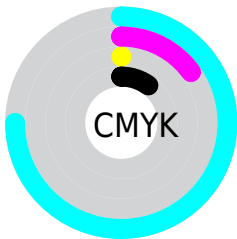
Distribution



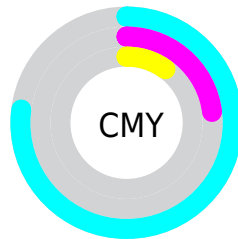
- Red (23%)
- Green (77%)
- Blue (90%)



- Red (23%)
- Yellow (53%)
- Blue (90%)



- Cyan (75%)
- Magenta (15%)
- Yellow (0%)
- Black (10%)



- Cyan (77%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.0926, 0.2184, 0.2815 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 46.0926, 0.2184, 0.2815 by changing the saturation by 10% instead.

46.0926, 0.2184,
0.2815

46.0926, 0.2184,
0.2815

371.1808, 0.2636,
0.3063

32.3189, 0.2079,
0.2751

84.3576, 0.2343,
0.2907

21.6052, 0.1948,
0.2669

109.6176, 0.2404,
0.2941

13.5671, 0.1782,
0.2559

139.4752, 0.2457,
0.2970

7.8202, 0.1568,
0.2406

174.3148, 0.2502,
0.2994

3.9801, 0.1283,
0.2182

214.5208, 0.2542,
0.3015

1.6624, 0.0901,
0.1838

260.4775, 0.2577,

0.3992, 0.0000,

0.3033

0.1135

312.5694, 0.2608,
0.3049

0.0000, 0.0000,
0.0000

46.0926, 0.2184,
0.2815

46.0926, 0.2184,
0.2815

43.5362, 0.2123,
0.2743

49.0216, 0.2264,
0.2887

41.3024, 0.2082,
0.2671

52.3552, 0.2364,
0.2959

40.2451, 0.2065,
0.2634

56.1269, 0.2480,
0.3028

60.3652, 0.2610,
0.3094

65.0956, 0.2750,
0.3156

■ 70.3419, 0.2899,
0.3213

■ 76.1259, 0.3052,
0.3266

■ 82.4684, 0.3207,
0.3314

■ 87.4780, 0.3293,
0.3358

Harmonies

Analogous

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



46.0926, 0.2331, 0.3277



46.0926, 0.2184, 0.2815



46.0926, 0.2260, 0.2536

Triad

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



46.0926, 0.2184, 0.2815



46.0926, 0.3540, 0.2844



46.0926, 0.3679, 0.4224

Complementary

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



46.0926, 0.2184, 0.2815



24.7505, 0.5412, 0.3600

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.



46.0926, 0.4050, 0.4001



46.0926, 0.2184, 0.2815



46.0926, 0.3982, 0.3216

Square

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



46.0926, 0.2184, 0.2815



46.0926, 0.3007, 0.2576



46.0926, 0.4171, 0.3629



46.0926, 0.3177, 0.4168

Rectangle

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



46.0926, 0.2184, 0.2815



46.0926, 0.2429, 0.2464



46.0926, 0.4171, 0.3629



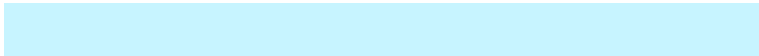
46.0926, 0.3824, 0.4175

Sweetspot

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



46.0943, 0.2184, 0.2815



84.0037, 0.2791, 0.3172



58.2241, 0.2918, 0.5333



17.6073, 0.2751, 0.3156



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.



46.0943, 0.2184, 0.2815



53.3715, 0.2098, 0.2702



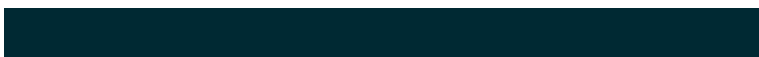
18.2715, 0.1862, 0.1557



15.8274, 0.2981, 0.3242



22.9563, 0.2068, 0.2646



1.8201, 0.2097, 0.2750

Inverse Universe

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



23.8186, 0.3603, 0.1945



26.6144, 0.3722, 0.1862



47.9777, 0.4543, 0.4465



14.5639, 0.3168, 0.3103



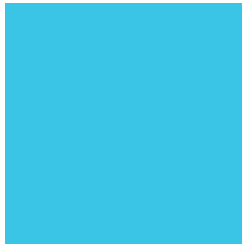
11.5152, 0.3780, 0.1856



0.8634, 0.3681, 0.1801

Previews

White Background



This preview shows how the Yxy color 46.0926, 0.2184, 0.2815 looks on a white background.

Color Contrast Check

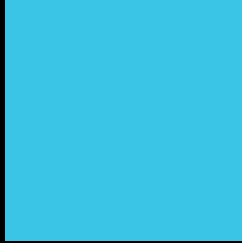
Large Text (above 18pt) WCAG AA × Fail

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 46.0926, 0.2184, 0.2815 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 46.0926, 0.2184, 0.2815

Background



This preview shows how black text looks on a background with the Yxy color 46.0926, 0.2184, 0.2815.



This preview shows how white text looks on a background with the Yxy color 46.0926, 0.2184, 0.2815.

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

46.0926, 0.2184, 0.2815

Protanopia

45.5085, 0.2779, 0.2795

Deuteranopia

45.2067, 0.2637, 0.2574



Tritanopia

46.3110, 0.2229, 0.3056

Trichromacy



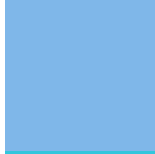
Original Color

46.0926, 0.2184, 0.2815



Protanomaly

44.7177, 0.2482, 0.2793



Deuteranomaly

44.2622, 0.2402, 0.2632



Tritanomaly

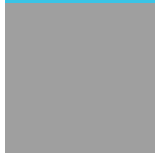
46.2336, 0.2214, 0.2974

Monochromacy



Original Color

46.0926, 0.2184, 0.2815



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

37.1454, 0.2626, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0926, 0.2184, 0.2815 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(58, 196, 230)` looks like.

```
.text, #text, p{  
    color:rgb(58, 196, 230)  
}
```

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(58, 196, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 196, 230) }
```

Border

The CSS property to change the border of an element to Yxy 46.0926, 0.2184, 0.2815 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(58, 196, 230) }
```

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

```
.border{ border-color:rgb(58, 196, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 196, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 196, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 196, 230);  
box-shadow:4px 4px 4px 4px rgb(58, 196,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0926, 0.2184, 0.2815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 196, 230) }
```

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

```
.background{ background-color: rgb(58, 196,  
230) }
```

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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