

Converting Colors

$Yxy(29.6256, 0.2051, 0.2581)$

Have a look what the booklet for
Yxy(29.6256, 0.2051, 0.2581)
contains.

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Color

Yxy(29.5077, 0.2050, 0.2575)

Conversions

Conversions Part 1

Format	Color
Hex	02A0CC
RGB	2, 160, 204
RGB Percent	1%, 63%, 80%
CMY	0.9926, 0.3726, 0.1999
CMYK	0.99, 0.22, 0.00, 0.20
HSL	193°, 98%, 40%
HSV	193°, 99%, 80%
XYZ	23.4916, 29.5077, 61.5937
YIQ	117.7740, -108.2920, -19.8120

Conversions

Conversions Part 2

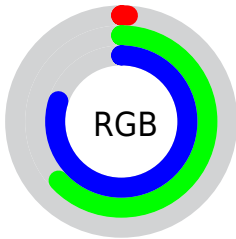
Format	Color
R_{YB}	2, 91, 204
Decimal	172236
CIE _{Lab}	61.23, -19.09, -32.26
CIE _{LCh}	61, 37.485, 239.378
Yxy	29.5077, 0.2050, 0.2575
Android (android.graphics.Color)	4278362316 (0xFF02A0CC)
YUV	117.7740, 42.5094, -101.5338
Hunter-Lab	54.3210, -17.8679, -29.2033

Details

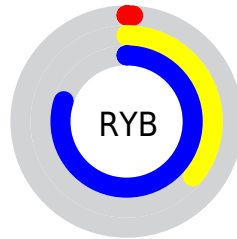
The Yxy color **29.5077, 0.2050, 0.2575** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.7904, 0.6131, 0.3503**, and the grayscale version is **17.9178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.5876, 0.2275, 0.2794**, and **12.9271, 0.1991, 0.2369** is the 20% darker color. If you saturate the color by 10%, you get **29.3553, 0.2047, 0.2568**, and if you desaturate by 10%, it is **31.2387, 0.2089, 0.2654**.

Distribution



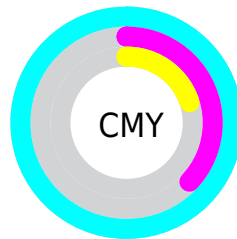
- Red (1%)
- Green (63%)
- Blue (80%)



- Red (1%)
- Yellow (36%)
- Blue (80%)



- Cyan (99%)
- Magenta (22%)
- Yellow (0%)
- Black (20%)




- Cyan (99%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5077, 0.2050, 0.2575 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 29.5077, 0.2050, 0.2575 by changing the saturation by 10% instead.


 29.5077, 0.2050,
0.2575


 29.5077, 0.2050,
0.2575


299.6029, 0.2599,
0.2964

 19.4652, 0.1913,
0.2470


 58.8828, 0.2250,
0.2723

 12.0069, 0.1740,
0.2331


 78.9841, 0.2325,
0.2777

 6.7484, 0.1514,
0.2141


 103.2072, 0.2389,
0.2821

 3.3052, 0.1216,
0.1871

 131.9365, 0.2443,
0.2859

 1.2931, 0.0816,
0.1474

 165.5563, 0.2490,
0.2891

 0.1358, 0.0000,
0.0403

204.4511, 0.2531,

 0.0000, 0.0000,

0.2919

0.0000

249.0051, 0.2567,
0.2943

■ 29.5077, 0.2050,
0.2575

■ 29.5077, 0.2050,
0.2575

■ 29.3553, 0.2047,
0.2568

■ 31.2387, 0.2089,
0.2654

■ 33.1956, 0.2145,
0.2734

■ 35.4284, 0.2221,
0.2814

■ 37.9669, 0.2316,
0.2894

■ 40.8362, 0.2427,
0.2971

■ 44.0584, 0.2554,
0.3045

■ 47.6536, 0.2691,
0.3115

■ 51.6402, 0.2837,
0.3180

■ 56.0351, 0.2988,
0.3240

Harmonies

Analogous

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



29.5077, 0.2111, 0.3028



29.5077, 0.2050, 0.2575



29.5077, 0.2234, 0.2359

Triad

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



29.5077, 0.2050, 0.2575



29.5077, 0.3841, 0.2934



29.5077, 0.3532, 0.4406

Complementary

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



29.5077, 0.2050, 0.2575



14.7904, 0.6131, 0.3503

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.



29.5077, 0.4046, 0.4241



29.5077, 0.2050, 0.2575



29.5077, 0.4258, 0.3383

Square

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



29.5077, 0.2050, 0.2575



29.5077, 0.3231, 0.2576



29.5077, 0.4326, 0.3850



29.5077, 0.2936, 0.4194

Rectangle

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



29.5077, 0.2050, 0.2575



29.5077, 0.2486, 0.2343



29.5077, 0.4326, 0.3850



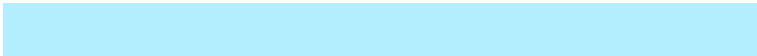
29.5077, 0.3720, 0.4388

Sweetspot

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



29.5087, 0.2050, 0.2575



78.0893, 0.2673, 0.3106



43.4002, 0.2937, 0.5766



16.1612, 0.2613, 0.3076



0.0000, 0.0000, 0.0000



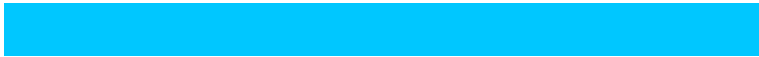
21.4041, 0.3127, 0.3290

Same Dimension

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



29.5087, 0.2050, 0.2575



48.2762, 0.2044, 0.2558



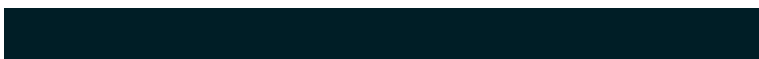
7.5157, 0.1603, 0.0964



12.2962, 0.2983, 0.3238



18.6151, 0.2050, 0.2579



1.0660, 0.2093, 0.2733

Inverse Universe

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



15.4179, 0.3848, 0.1897



25.4047, 0.3865, 0.1903



33.6313, 0.4796, 0.4568



11.3603, 0.3170, 0.3111



9.6822, 0.3845, 0.1892



0.5102, 0.3697, 0.1810

Previews

White Background



This preview shows how the Yxy color 29.5077, 0.2050, 0.2575 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5077, 0.2050, 0.2575 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

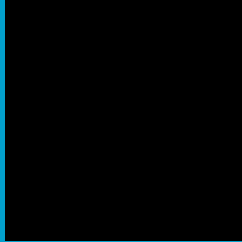
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5077, 0.2050, 0.2575

Background



This preview shows how black text looks on a background with the Yxy color 29.5077, 0.2050, 0.2575.

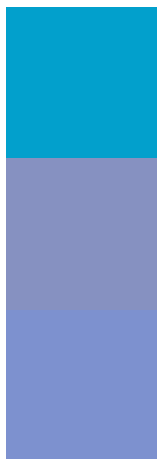


This preview shows how white text looks on a background with the Yxy color 29.5077, 0.2050, 0.2575.

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

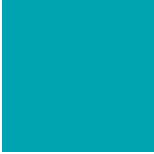
29.5142, 0.2050, 0.2576

Protanopia

29.1694, 0.2612, 0.2575

Deuteranopia

29.1158, 0.2446, 0.2386



Tritanopia

29.3290, 0.2183, 0.3058

Trichromacy



Original Color

29.5142, 0.2050, 0.2576



Protanomaly

27.8223, 0.2266, 0.2540



Deuteranomaly

27.9744, 0.2190, 0.2416



Tritanomaly

29.3923, 0.2133, 0.2877

Monochromacy



Original Color

29.5142, 0.2050, 0.2576



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.4815, 0.2442, 0.2978

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5077, 0.2050, 0.2575 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(2, 160, 204)` looks like.

```
.text, #text, p{  
    color:rgb(2, 160, 204)  
}
```

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(2, 160, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 160, 204) }
```

Border

The CSS property to change the border of an element to Yxy 29.5077, 0.2050, 0.2575 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(2, 160, 204) }
```

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

```
.border{ border-color:rgb(2, 160, 204) }
```

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

Here you see how a box with a 4 pixel rgb(2, 160, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 160, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 160, 204);  
box-shadow:4px 4px 4px 4px rgb(2, 160,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5077, 0.2050, 0.2575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 160, 204) }
```

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

```
.background{ background-color: rgb(2, 160,  
204) }
```

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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