

Converting Colors

$Y_{xy}(29.7542, 0.2052, 0.2588)$

Have a look what the booklet for
Yxy(29.7542, 0.2052, 0.2588)
contains.

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Color

Yxy(29.8494, 0.2054, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	00A1CC
RGB	0, 161, 204
RGB Percent	0%, 63%, 80%
CMY	0.9982, 0.3686, 0.2001
CMYK	1.00, 0.21, 0.00, 0.20
HSL	193°, 100%, 40%
HSV	193°, 100%, 80%
XYZ	23.6447, 29.8494, 61.6212
YIQ	117.7630, -109.7590, -20.7590

Conversions

Conversions Part 2

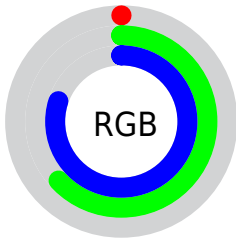
Format	Color
R _{YB}	0, 90, 204
Decimal	41420
CIE _{Lab}	61.52, -19.69, -31.77
CIE _{LCh}	62, 37.379, 238.206
Yxy	29.8494, 0.2054, 0.2593
Android (android.graphics.Color)	4278231500 (0xFF00A1CC)
YUV	117.7630, 42.5148, -103.2782
Hunter-Lab	54.6346, -18.3596, -28.6277

Details

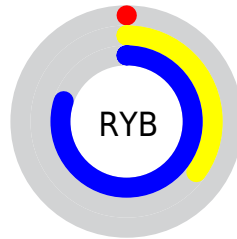
The Yxy color **29.8494, 0.2054, 0.2593** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.5934, 0.6160, 0.3488**, and the grayscale version is **17.9736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0984, 0.2278, 0.2807**, and **13.1393, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **29.8131, 0.2053, 0.2591**, and if you desaturate by 10%, it is **31.5367, 0.2092, 0.2669**.

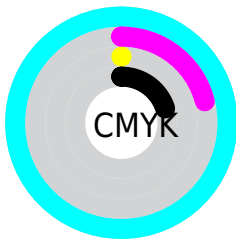
Distribution



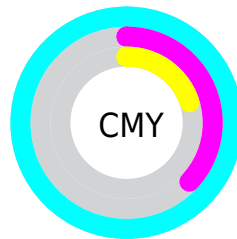
- Red (0%)
- Green (63%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (37%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8494, 0.2054, 0.2593 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 29.8494, 0.2054, 0.2593 by changing the saturation by 10% instead.


 29.8494, 0.2054,
0.2593


 29.8494, 0.2054,
0.2593


301.2018, 0.2601,
0.2973


 19.7243, 0.1918,
0.2490


 59.4239, 0.2253,
0.2737


 12.1948, 0.1746,
0.2354


 79.6422, 0.2328,
0.2790

 6.8765, 0.1522,
0.2168


 103.9936, 0.2391,
0.2833

 3.3850, 0.1226,
0.1904

 132.8625, 0.2445,
0.2870

 1.3359, 0.0828,
0.1512

 166.6334, 0.2492,
0.2901

 0.1687, 0.0000,
0.0495

205.6907, 0.2533,

 0.0000, 0.0000,

0.2928

0.0000

250.4187, 0.2569,
0.2952

■ 29.8494, 0.2054,
0.2593

■ 29.8494, 0.2054,
0.2593

■ 29.8131, 0.2053,
0.2591

■ 31.5367, 0.2092,
0.2669

■ 33.4391, 0.2146,
0.2747

■ 35.6120, 0.2219,
0.2824

■ 38.0850, 0.2311,
0.2901

■ 40.8836, 0.2421,
0.2976

■ 44.0302, 0.2546,
0.3048

■ 47.5447, 0.2682,
0.3116

■ 51.4457, 0.2827,
0.3179

■ 55.7501, 0.2978,
0.3238

Harmonies

Analogous

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



29.8494, 0.2125, 0.3052



29.8494, 0.2054, 0.2593



29.8494, 0.2228, 0.2369

Triad

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



29.8494, 0.2054, 0.2593



29.8494, 0.3815, 0.2921



29.8494, 0.3552, 0.4399

Complementary

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



29.8494, 0.2054, 0.2593



14.5934, 0.6160, 0.3488

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.



29.8494, 0.4057, 0.4223



29.8494, 0.2054, 0.2593



29.8494, 0.4240, 0.3365

Square

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



29.8494, 0.2054, 0.2593



29.8494, 0.3206, 0.2569



29.8494, 0.4323, 0.3830



29.8494, 0.2960, 0.4203

Rectangle

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



29.8494, 0.2054, 0.2593



29.8494, 0.2473, 0.2347



29.8494, 0.4323, 0.3830



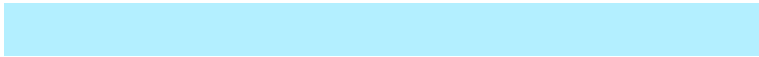
29.8494, 0.3738, 0.4376

Sweetspot

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



29.8504, 0.2054, 0.2593



78.3878, 0.2673, 0.3112



43.3347, 0.2946, 0.5805



16.2331, 0.2614, 0.3083



0.0000, 0.0000, 0.0000



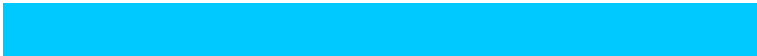
21.4041, 0.3127, 0.3290

Same Dimension

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



29.8504, 0.2054, 0.2593



49.0667, 0.2051, 0.2582



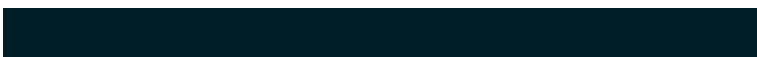
7.7539, 0.1609, 0.0990



12.3092, 0.2983, 0.3240



18.9102, 0.2056, 0.2602



1.0789, 0.2098, 0.2751

Inverse Universe

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



15.4161, 0.3831, 0.1885



25.4845, 0.3842, 0.1890



32.4539, 0.4847, 0.4532



11.3616, 0.3169, 0.3109



9.7120, 0.3822, 0.1879



0.5115, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 29.8494, 0.2054, 0.2593 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 29.8494, 0.2054, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

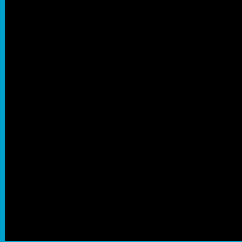
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8494, 0.2054, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 29.8494, 0.2054, 0.2593.



This preview shows how white text looks on a background with the Yxy color 29.8494, 0.2054, 0.2593.

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

29.8494, 0.2054, 0.2593

Protanopia

29.5589, 0.2622, 0.2592

Deuteranopia

29.5748, 0.2463, 0.2404



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.8494, 0.2054, 0.2593



Protanomaly

28.1429, 0.2270, 0.2557



Deuteranomaly

28.3388, 0.2198, 0.2434



Tritanomaly

29.7822, 0.2133, 0.2879

Monochromacy



Original Color

29.8494, 0.2054, 0.2593



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.7160, 0.2438, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8494, 0.2054, 0.2593 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(0, 161, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 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(0, 161, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 204) }
```

Border

The CSS property to change the border of an element to Yxy 29.8494, 0.2054, 0.2593 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(0, 161, 204) }
```

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

```
.border{ border-color:rgb(0, 161, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8494, 0.2054, 0.2593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 204) }
```

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

```
.background{ background-color: rgb(0, 161,  
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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