

Converting Colors

$Y_{xy}(29.3710, 0.2117, 0.2601)$

Have a look what the booklet for
Yxy(29.3710, 0.2117, 0.2601)
contains.

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Color

Yxy(29.2287, 0.2116, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	2D9EC9
RGB	45, 158, 201
RGB Percent	18%, 62%, 79%
CMY	0.8234, 0.3804, 0.2118
CMYK	0.78, 0.21, 0.00, 0.21
HSL	197°, 63%, 48%
HSV	197°, 78%, 79%
XYZ	23.8519, 29.2287, 59.6410
YIQ	129.1150, -81.1510, -10.5830

Conversions

Conversions Part 2

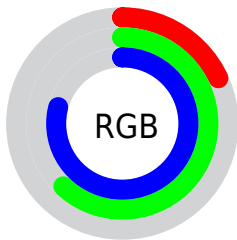
Format	Color
R_{YB}	45, 111, 201
Decimal	2989769
CIE _{Lab}	60.98, -16.44, -30.91
CIE _{LCh}	61, 35.014, 241.987
Yxy	29.2287, 0.2116, 0.2593
Android (android.graphics.Color)	4281179849 (0xFF2D9EC9)
YUV	129.1150, 35.4393, -73.7689
Hunter-Lab	54.0636, -15.8602, -27.5621

Details

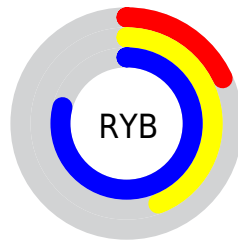
The Yxy color **29.2287, 0.2116, 0.2593** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **19.5902, 0.5350, 0.3736**, and the grayscale version is **21.8933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.3859, 0.2318, 0.2774**, and **12.6220, 0.2000, 0.2398** is the 20% darker color. If you saturate the color by 10%, you get **27.0290, 0.2049, 0.2489**, and if you desaturate by 10%, it is **31.7326, 0.2203, 0.2697**.

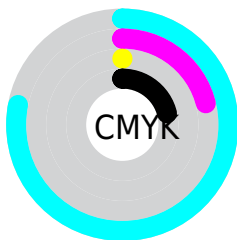
Distribution



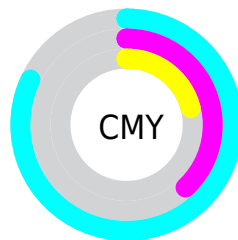
- Red (18%)
- Green (62%)
- Blue (79%)



- Red (18%)
- Yellow (44%)
- Blue (79%)



- Cyan (78%)
- Magenta (21%)
- Yellow (0%)
- Black (21%)



- Cyan (82%)
- Magenta (38%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2287, 0.2116, 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 29.2287, 0.2116, 0.2593 by changing the saturation by 10% instead.

■ 29.2287, 0.2116,
0.2593

■ 29.2287, 0.2116,
0.2593

■ 298.2925, 0.2635,
0.2971

■ 19.2539, 0.1985,
0.2491

■ 58.4402, 0.2306,
0.2737

■ 11.8539, 0.1818,
0.2355

■ 78.4458, 0.2377,
0.2789

■ 6.6443, 0.1600,
0.2170

■ 102.5637, 0.2437,
0.2832

■ 3.2406, 0.1306,
0.1905

■ 131.1783, 0.2488,
0.2869

■ 1.2586, 0.0905,
0.1511

■ 164.6742, 0.2533,
0.2900

■ 0.1088, 0.0000,
0.0354

203.4355, 0.2571,

■ 0.0000, 0.0000,

0.2927

0.0000

247.8468, 0.2605,
0.2951

■ 29.2287, 0.2116,
0.2593

■ 29.2287, 0.2116,
0.2593

■ 27.0290, 0.2049,
0.2489

■ 31.7326, 0.2203,
0.2697

■ 25.0906, 0.2000,
0.2387

■ 34.5659, 0.2309,
0.2799

■ 24.6482, 0.1990,
0.2363

■ 37.7539, 0.2430,
0.2898

■ 41.3183, 0.2565,
0.2992

■ 45.2787, 0.2708,
0.3080

■ 49.6530, 0.2858,
0.3163

■ 54.4580, 0.3011,
0.3238

■ 59.7093, 0.3164,
0.3306

■ 65.4218, 0.3315,
0.3367

Harmonies

Analogous

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



29.2287, 0.2155, 0.3003



29.2287, 0.2116, 0.2593



29.2287, 0.2311, 0.2405

Triad

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



29.2287, 0.2116, 0.2593



29.2287, 0.3841, 0.2991



29.2287, 0.3464, 0.4331

Complementary

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



29.2287, 0.2116, 0.2593



19.5902, 0.5350, 0.3736

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.



29.2287, 0.3959, 0.4211



29.2287, 0.2116, 0.2593



29.2287, 0.4206, 0.3422

Square

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



29.2287, 0.2116, 0.2593



29.2287, 0.3278, 0.2640



29.2287, 0.4242, 0.3860



29.2287, 0.2904, 0.4097

Rectangle

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



29.2287, 0.2116, 0.2593



29.2287, 0.2562, 0.2400



29.2287, 0.4242, 0.3860



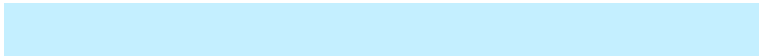
29.2287, 0.3644, 0.4326

Sweetspot

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



29.2297, 0.2116, 0.2593



80.6374, 0.2772, 0.3116



43.0127, 0.2863, 0.5202



16.6870, 0.2717, 0.3086



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.



29.2297, 0.2116, 0.2593



44.0119, 0.2015, 0.2421



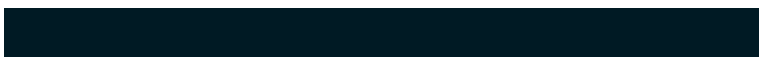
10.7230, 0.1783, 0.1310



11.5540, 0.2984, 0.3225



15.6581, 0.1994, 0.2377



0.8581, 0.2053, 0.2590

Inverse Universe

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



16.7648, 0.3809, 0.2047



25.3891, 0.3998, 0.2002



39.3748, 0.4443, 0.4610



10.7648, 0.3179, 0.3124



9.1207, 0.4046, 0.2003



0.4436, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 29.2287, 0.2116, 0.2593 looks on a white background.

Color Contrast Check

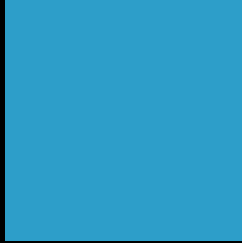
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.2287, 0.2116, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

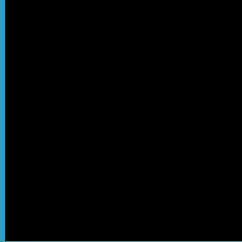
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

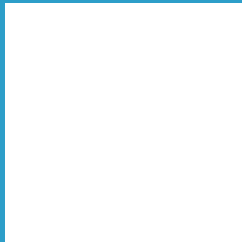
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.2287, 0.2116, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 29.2287, 0.2116, 0.2593.

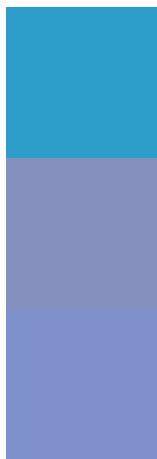


This preview shows how white text looks on a background with the Yxy color 29.2287, 0.2116, 0.2593.

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

29.2287, 0.2116, 0.2593

Protanopia

28.7764, 0.2625, 0.2586

Deuteranopia

29.0461, 0.2472, 0.2424



Tritanopia

29.3290, 0.2183, 0.3058

Trichromacy



Original Color

29.2287, 0.2116, 0.2593

Protanomaly

28.2598, 0.2370, 0.2568

Deuteranomaly

28.6659, 0.2296, 0.2473

Tritanomaly

29.1027, 0.2146, 0.2876

Monochromacy



Original Color

29.2287, 0.2116, 0.2593

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

23.7194, 0.2588, 0.3019

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2287, 0.2116, 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(45, 158, 201)` looks like.

```
.text, #text, p{  
    color:rgb(45, 158, 201)  
}
```

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(45, 158, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 158, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.2287, 0.2116, 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(45, 158, 201) }
```

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

```
.border{ border-color:rgb(45, 158, 201) }
```

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

Here you see how a box with a 4 pixel rgb(45, 158, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 158, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 158, 201);  
box-shadow:4px 4px 4px 4px rgb(45, 158,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2287, 0.2116, 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(45, 158, 201) }
```

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

```
.background{ background-color: rgb(45, 158,  
201) }
```

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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