

Converting Colors

$Y_{xy}(29.3623, 0.2116, 0.2601)$

Have a look what the booklet for
Yxy(29.3623, 0.2116, 0.2601)
contains.

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Color

Yxy(29.2062, 0.2113, 0.2593)

Conversions

Conversions Part 1

Format	Color
Hex	2C9EC9
RGB	44, 158, 201
RGB Percent	17%, 62%, 79%
CMY	0.8282, 0.3803, 0.2118
CMYK	0.78, 0.21, 0.00, 0.21
HSL	196°, 64%, 48%
HSV	196°, 78%, 79%
XYZ	23.7997, 29.2062, 59.6289
YIQ	128.8160, -81.7470, -10.7950

Conversions

Conversions Part 2

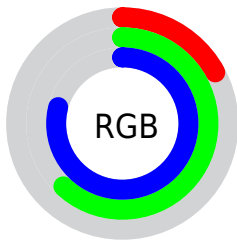
Format	Color
R_{YB}	44, 110, 201
Decimal	2924233
CIE _{Lab}	60.96, -16.59, -30.93
CIE _{LCh}	61, 35.102, 241.796
Yxy	29.2062, 0.2113, 0.2593
Android (android.graphics.Color)	4281114313 (0xFF2C9EC9)
YUV	128.8160, 35.5867, -74.3836
Hunter-Lab	54.0428, -15.9657, -27.5885

Details

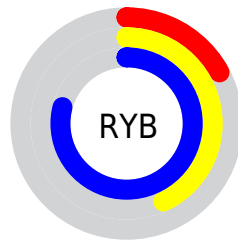
The Yxy color **29.2062, 0.2113, 0.2593** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **19.3745, 0.5377, 0.3731**, and the grayscale version is **21.7618, 0.3127, 0.3290**.

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 **27.0338, 0.2047, 0.2490**, and if you desaturate by 10%, it is **31.6795, 0.2199, 0.2696**.

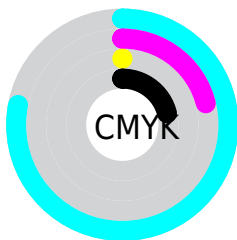
Distribution



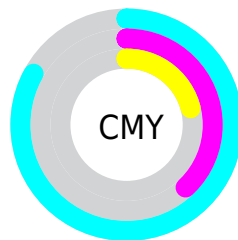
- Red (17%)
- Green (62%)
- Blue (79%)



- Red (17%)
- Yellow (43%)
- Blue (79%)



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



- Cyan (83%)
- Magenta (38%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2062, 0.2113, 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 29.2062, 0.2113, 0.2593 by changing the saturation by 10% instead.

■ 29.2062, 0.2113,
0.2593

■ 29.2062, 0.2113,
0.2593

■ 298.1866, 0.2634,
0.2972

■ 19.2369, 0.1982,
0.2490

■ 58.4045, 0.2304,
0.2737

■ 11.8416, 0.1815,
0.2355

■ 78.4023, 0.2375,
0.2789

■ 6.6359, 0.1595,
0.2169

■ 102.5117, 0.2435,
0.2833

■ 3.2354, 0.1301,
0.1904

■ 131.1171, 0.2486,
0.2869

■ 1.2559, 0.0900,
0.1509

■ 164.6029, 0.2531,
0.2900

■ 0.1066, 0.0000,
0.0347

203.3535, 0.2569,

■ 0.0000, 0.0000,

0.2927

0.0000

247.7533, 0.2603,
0.2951

■ 29.2062, 0.2113,
0.2593

■ 29.2062, 0.2113,
0.2593

■ 27.0338, 0.2047,
0.2490

■ 31.6795, 0.2199,
0.2696

■ 25.1164, 0.2000,
0.2389

■ 34.4791, 0.2303,
0.2797

■ 24.7873, 0.1992,
0.2371

■ 37.6307, 0.2423,
0.2895

■ 41.1558, 0.2557,
0.2989

■ 45.0742, 0.2700,
0.3077

■ 49.4039, 0.2849,
0.3159

■ 54.1617, 0.3002,
0.3234

■ 59.3633, 0.3155,
0.3302

■ 65.0236, 0.3306,
0.3363

Harmonies

Analogous

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



29.2062, 0.2153, 0.3006



29.2062, 0.2113, 0.2593



29.2062, 0.2307, 0.2403

Triad

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



29.2062, 0.2113, 0.2593



29.2062, 0.3839, 0.2988



29.2062, 0.3468, 0.4334

Complementary

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



29.2062, 0.2113, 0.2593



19.3745, 0.5377, 0.3731

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.



29.2062, 0.3963, 0.4212



29.2062, 0.2113, 0.2593



29.2062, 0.4208, 0.3419

Square

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



29.2062, 0.2113, 0.2593



29.2062, 0.3275, 0.2637



29.2062, 0.4246, 0.3859



29.2062, 0.2907, 0.4102

Rectangle

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



29.2062, 0.2113, 0.2593



29.2062, 0.2558, 0.2397



29.2062, 0.4246, 0.3859



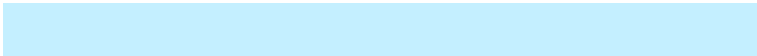
29.2062, 0.3648, 0.4329

Sweetspot

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



29.2072, 0.2113, 0.2593



80.7172, 0.2772, 0.3118



42.9629, 0.2864, 0.5218



16.7065, 0.2718, 0.3087



0.0000, 0.0000, 0.0000



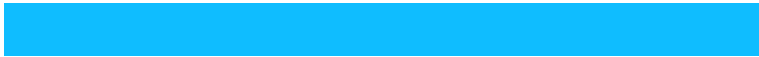
21.4041, 0.3127, 0.3290

Same Dimension

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



29.2072, 0.2113, 0.2593



43.9256, 0.2012, 0.2418



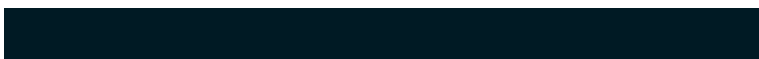
10.5554, 0.1775, 0.1294



11.5583, 0.2984, 0.3225



15.7478, 0.1996, 0.2386



0.8618, 0.2055, 0.2596

Inverse Universe

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



16.6711, 0.3810, 0.2039



25.3051, 0.4001, 0.1999



39.2562, 0.4451, 0.4615



10.7652, 0.3179, 0.3124



9.1297, 0.4038, 0.1998



0.4440, 0.3828, 0.1882

Previews

White Background



This preview shows how the Yxy color 29.2062, 0.2113, 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 29.2062, 0.2113, 0.2593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

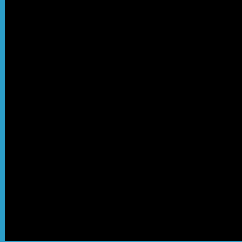
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2062, 0.2113, 0.2593

Background



This preview shows how black text looks on a background with the Yxy color 29.2062, 0.2113, 0.2593.

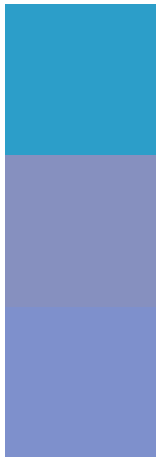


This preview shows how white text looks on a background with the Yxy color 29.2062, 0.2113, 0.2593.

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

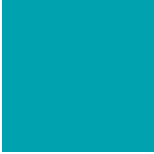
29.2062, 0.2113, 0.2593

Protanopia

28.7764, 0.2625, 0.2586

Deuteranopia

28.7418, 0.2470, 0.2408



Tritanopia

28.9753, 0.2178, 0.3040

Trichromacy



Original Color

29.2062, 0.2113, 0.2593

Protanomaly

28.2017, 0.2363, 0.2567

Deuteranomaly

28.2935, 0.2287, 0.2456

Tritanomaly

29.1027, 0.2146, 0.2876

Monochromacy



Original Color

29.2062, 0.2113, 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 29.2062, 0.2113, 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(44, 158, 201)` looks like.

```
.text, #text, p{  
    color:rgb(44, 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(44, 158, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 158, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.2062, 0.2113, 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(44, 158, 201) }
```

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

```
.border{ border-color:rgb(44, 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(44, 158, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 158, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 158, 201);  
box-shadow:4px 4px 4px 4px rgb(44, 158,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2062, 0.2113, 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(44, 158, 201) }
```

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

```
.background{ background-color: rgb(44, 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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