

Converting Colors

$Yxy(29.4548, 0.2118, 0.2604)$

Have a look what the booklet for
Yxy(29.4548, 0.2118, 0.2604)
contains.

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Color

$\text{Yxy}(29.5712, 0.2120, 0.2610)$

Conversions

Conversions Part 1

Format	Color
Hex	2D9FC9
RGB	45, 159, 201
RGB Percent	18%, 62%, 79%
CMY	0.8241, 0.3764, 0.2117
CMYK	0.78, 0.21, 0.00, 0.21
HSL	196°, 64%, 48%
HSV	196°, 78%, 79%
XYZ	24.0195, 29.5712, 59.7089
YIQ	129.7020, -81.4260, -11.1060

Conversions

Conversions Part 2

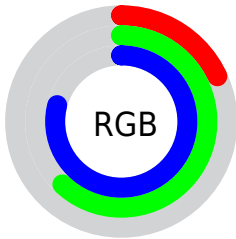
Format	Color
R_{YB}	45, 111, 201
Decimal	2990025
CIE _{Lab}	61.28, -17.00, -30.46
CIE _{LCh}	61, 34.880, 240.833
Yxy	29.5712, 0.2120, 0.2610
Android (android.graphics.Color)	4281180105 (0xFF2D9FC9)
YUV	129.7020, 35.1499, -74.2837
Hunter-Lab	54.3794, -16.3201, -27.0352

Details

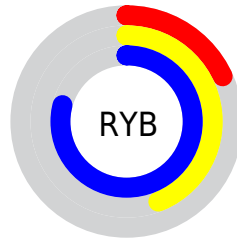
The Yxy color **29.5712, 0.2120, 0.2610** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **19.4038, 0.5366, 0.3724**, and the grayscale version is **22.0956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.9580, 0.2324, 0.2787**, and **12.8317, 0.2006, 0.2422** is the 20% darker color. If you saturate the color by 10%, you get **27.4016, 0.2054, 0.2509**, and if you desaturate by 10%, it is **32.0410, 0.2206, 0.2711**.

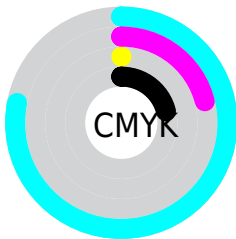
Distribution



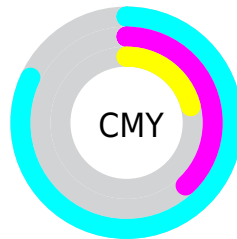
- Red (18%)
- Green (62%)
- Blue (79%)



- 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 29.5712, 0.2120, 0.2610 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 29.5712, 0.2120, 0.2610 by changing the saturation by 10% instead.

■ 29.5712, 0.2120,
0.2610

■ 29.5712, 0.2120,
0.2610

■ 299.9006, 0.2636,
0.2979

■ 19.5133, 0.1990,
0.2510

■ 58.9834, 0.2309,
0.2750

■ 12.0418, 0.1824,
0.2377

■ 79.1065, 0.2380,
0.2801

■ 6.7721, 0.1607,
0.2196

■ 103.3535, 0.2439,
0.2844

■ 3.3200, 0.1316,
0.1936

■ 132.1088, 0.2490,
0.2879

■ 1.3010, 0.0918,
0.1547

■ 165.7568, 0.2534,
0.2910

■ 0.1420, 0.0000,
0.0455

204.6818, 0.2573,

■ 0.0000, 0.0000,

0.2936

0.0000

249.2682, 0.2606,
0.2959

■ 29.5712, 0.2120,
0.2610

■ 29.5712, 0.2120,
0.2610

■ 27.4016, 0.2054,
0.2509

■ 32.0410, 0.2206,
0.2711

■ 25.4888, 0.2006,
0.2410

■ 34.8361, 0.2310,
0.2810

■ 25.0665, 0.1996,
0.2386

■ 37.9818, 0.2431,
0.2907

■ 41.4997, 0.2564,
0.2999

■ 45.4093, 0.2708,
0.3085

■ 49.7285, 0.2857,
0.3165

■ 54.4740, 0.3010,
0.3238

■ 59.6614, 0.3163,
0.3305

■ 65.3056, 0.3314,
0.3364

Harmonies

Analogous

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



29.5712, 0.2168, 0.3026



29.5712, 0.2120, 0.2610



29.5712, 0.2305, 0.2414

Triad

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



29.5712, 0.2120, 0.2610



29.5712, 0.3816, 0.2978



29.5712, 0.3483, 0.4324

Complementary

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



29.5712, 0.2120, 0.2610



19.4038, 0.5366, 0.3724

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.



29.5712, 0.3968, 0.4194



29.5712, 0.2120, 0.2610



29.5712, 0.4189, 0.3404

Square

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



29.5712, 0.2120, 0.2610



29.5712, 0.3255, 0.2634



29.5712, 0.4239, 0.3841



29.5712, 0.2927, 0.4105

Rectangle

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



29.5712, 0.2120, 0.2610



29.5712, 0.2550, 0.2404



29.5712, 0.4239, 0.3841



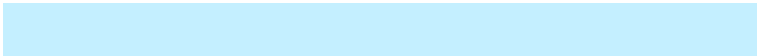
29.5712, 0.3660, 0.4315

Sweetspot

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



29.5722, 0.2120, 0.2610



80.8662, 0.2772, 0.3121



43.0153, 0.2864, 0.5205



16.7429, 0.2718, 0.3091



0.0000, 0.0000, 0.0000



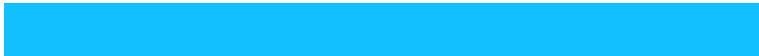
21.4041, 0.3127, 0.3290

Same Dimension

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



29.5722, 0.2120, 0.2610



44.6979, 0.2021, 0.2443



10.7024, 0.1782, 0.1308



11.5662, 0.2984, 0.3226



15.9161, 0.2000, 0.2401



0.8686, 0.2058, 0.2608

Inverse Universe

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



16.7898, 0.3793, 0.2036



25.4584, 0.3976, 0.1989



39.3672, 0.4444, 0.4611



10.7660, 0.3178, 0.3123



9.1467, 0.4022, 0.1989



0.4447, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 29.5712, 0.2120, 0.2610 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 29.5712, 0.2120, 0.2610 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 29.5712, 0.2120, 0.2610

Background



This preview shows how black text looks on a background with the Yxy color 29.5712, 0.2120, 0.2610.

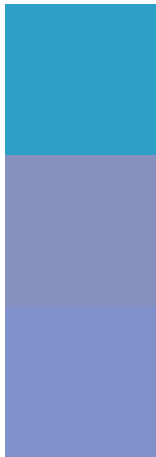


This preview shows how white text looks on a background with the Yxy color 29.5712, 0.2120, 0.2610.

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

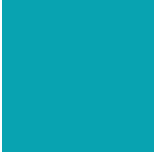
29.5712, 0.2120, 0.2610

Protanopia

29.1633, 0.2635, 0.2603

Deuteranopia

29.1996, 0.2487, 0.2427



Tritanopia

29.4203, 0.2185, 0.3042

Trichromacy



Original Color

29.5712, 0.2120, 0.2610

Protanomaly

28.5776, 0.2373, 0.2584

Deuteranomaly

28.7212, 0.2302, 0.2474

Tritanomaly

29.5453, 0.2153, 0.2879

Monochromacy



Original Color

29.5712, 0.2120, 0.2610

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

24.1027, 0.2591, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5712, 0.2120, 0.2610 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, 159, 201)` looks like.

```
.text, #text, p{  
    color:rgb(45, 159, 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, 159, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 159, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.5712, 0.2120, 0.2610 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, 159, 201) }
```

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

```
.border{ border-color:rgb(45, 159, 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, 159, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 159, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 159, 201);  
box-shadow:4px 4px 4px 4px rgb(45, 159,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5712, 0.2120, 0.2610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 159, 201) }
```

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

```
.background{ background-color: rgb(45, 159,  
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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