

Converting Colors

$Y_{xy}(27.9183, 0.2126, 0.2625)$

Have a look what the booklet for
Yxy(27.9183, 0.2126, 0.2625)
contains.

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Color

Yxy(27.9183, 0.2126, 0.2625)

Conversions

Conversions Part 1

Format	Color
Hex	2C9BC3
RGB	44, 155, 195
RGB Percent	17%, 61%, 76%
CMY	0.8273, 0.3922, 0.2353
CMYK	0.77, 0.21, 0.00, 0.24
HSL	196°, 63%, 47%
HSV	196°, 77%, 76%
XYZ	22.6112, 27.9183, 55.8260
YIQ	126.3710, -78.9960, -11.0920

Conversions

Conversions Part 2

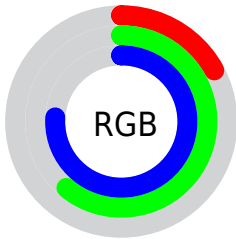
Format	Color
R_{YB}	44, 108, 195
Decimal	2923459
CIE _{Lab}	59.81, -16.98, -29.36
CIE _{LCh}	60, 33.914, 239.962
Yxy	27.9183, 0.2126, 0.2625
Android (android.graphics.Color)	4281113539 (0xFF2C9BC3)
YUV	126.3710, 33.8341, -72.2394
Hunter-Lab	52.8378, -16.0796, -25.6567

Details

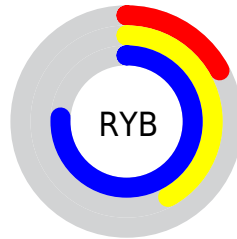
The Yxy color **27.9183, 0.2126, 0.2625** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **18.1310, 0.5358, 0.3717**, and the grayscale version is **20.9039, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6322, 0.2318, 0.2768**, and **11.8237, 0.2010, 0.2435** is the 20% darker color. If you saturate the color by 10%, you get **25.9006, 0.2060, 0.2526**, and if you desaturate by 10%, it is **30.2144, 0.2212, 0.2724**.

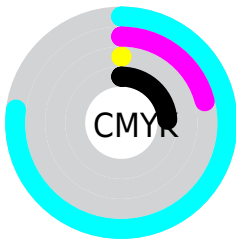
Distribution



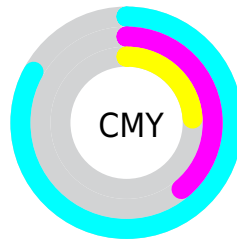
- Red (17%)
- Green (61%)
- Blue (76%)



- Red (17%)
- Yellow (42%)
- Blue (76%)



- Cyan (77%)
- Magenta (21%)
- Yellow (0%)
- Black (24%)



- Cyan (83%)
- Magenta (39%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9183, 0.2126, 0.2625 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 27.9183, 0.2126, 0.2625 by changing the saturation by 10% instead.

■ 27.9183, 0.2126,
0.2625

■ 27.9183, 0.2126,
0.2625

■ 292.0763, 0.2644,
0.2990

■ 18.2641, 0.1994,
0.2524

■ 56.3540, 0.2317,
0.2765

■ 11.1398, 0.1824,
0.2390

■ 75.9042, 0.2388,
0.2815

■ 6.1609, 0.1600,
0.2205

■ 99.5219, 0.2448,
0.2857

■ 2.9432, 0.1297,
0.1935

■ 127.5915, 0.2499,
0.2892

■ 1.1021, 0.0858,
0.1529

■ 160.4973, 0.2543,
0.2922

■ 0.0000, 0.0000,
0.0000

198.6238, 0.2581,

0.2948

242.3554, 0.2615,
0.2970

■ 27.9183, 0.2126,
0.2625

■ 27.9183, 0.2126,
0.2625

■ 25.9006, 0.2060,
0.2526

■ 30.2144, 0.2212,
0.2724

■ 24.1217, 0.2012,
0.2428

■ 32.8119, 0.2316,
0.2822

■ 23.6846, 0.2001,
0.2403

■ 35.7342, 0.2437,
0.2916

■ 39.0011, 0.2570,
0.3006

■ 42.6308, 0.2713,
0.3091

■ 46.6398, 0.2862,
0.3169

■ 51.0434, 0.3014,
0.3241

■ 55.8562, 0.3167,
0.3306

■ 61.0918, 0.3317,
0.3365

Harmonies

Analogous

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



27.9183, 0.2180, 0.3043



27.9183, 0.2126, 0.2625



27.9183, 0.2303, 0.2424

Triad

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



27.9183, 0.2126, 0.2625



27.9183, 0.3796, 0.2970



27.9183, 0.3496, 0.4315

Complementary

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



27.9183, 0.2126, 0.2625



18.1310, 0.5358, 0.3717

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.



27.9183, 0.3973, 0.4179



27.9183, 0.2126, 0.2625



27.9183, 0.4173, 0.3391

Square

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



27.9183, 0.2126, 0.2625



27.9183, 0.3237, 0.2631



27.9183, 0.4233, 0.3826



27.9183, 0.2944, 0.4109

Rectangle

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



27.9183, 0.2126, 0.2625



27.9183, 0.2542, 0.2409



27.9183, 0.4233, 0.3826



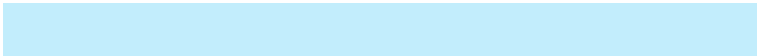
27.9183, 0.3671, 0.4303

Sweetspot

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



27.9193, 0.2126, 0.2625



79.1835, 0.2773, 0.3123



40.1722, 0.2875, 0.5233



16.7768, 0.2718, 0.3094



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.



27.9193, 0.2126, 0.2625



44.1139, 0.2025, 0.2457



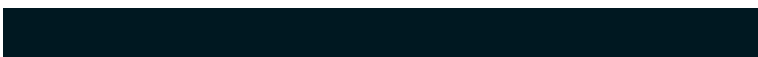
10.4780, 0.1797, 0.1356



10.9622, 0.2984, 0.3228



15.5373, 0.2005, 0.2416



0.7791, 0.2065, 0.2634

Inverse Universe

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



15.7730, 0.3779, 0.2032



24.9299, 0.3962, 0.1982



35.9861, 0.4465, 0.4582



10.2005, 0.3177, 0.3122



8.8507, 0.4007, 0.1981



0.3933, 0.3791, 0.1862

Previews

White Background



This preview shows how the Yxy color 27.9183, 0.2126, 0.2625 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 27.9183, 0.2126, 0.2625 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 27.9183, 0.2126, 0.2625

Background



This preview shows how black text looks on a background with the Yxy color 27.9183, 0.2126, 0.2625.

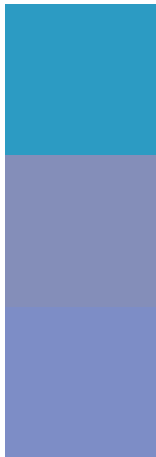


This preview shows how white text looks on a background with the Yxy color 27.9183, 0.2126, 0.2625.

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

27.9183, 0.2126, 0.2625

Protanopia

27.7543, 0.2649, 0.2631

Deuteranopia

27.4869, 0.2495, 0.2434



Tritanopia

27.8604, 0.2194, 0.3054

Trichromacy



Original Color

27.9183, 0.2126, 0.2625

Protanomaly

27.2509, 0.2387, 0.2615

Deuteranomaly

27.0758, 0.2311, 0.2484

Tritanomaly

27.9432, 0.2165, 0.2903

Monochromacy



Original Color

27.9183, 0.2126, 0.2625

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.6125, 0.2595, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9183, 0.2126, 0.2625 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, 155, 195)` looks like.

```
.text, #text, p{  
    color:rgb(44, 155, 195)  
}
```

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, 155, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 155, 195) }
```

Border

The CSS property to change the border of an element to Yxy 27.9183, 0.2126, 0.2625 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, 155, 195) }
```

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

```
.border{ border-color:rgb(44, 155, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 155, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 155, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 155, 195);  
box-shadow:4px 4px 4px 4px rgb(44, 155,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9183, 0.2126, 0.2625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 155, 195) }
```

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

```
.background{ background-color: rgb(44, 155,  
195) }
```

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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