

Converting Colors

$Y_{xy}(29.8232, 0.2143, 0.2670)$

Have a look what the booklet for
Yxy(29.8232, 0.2143, 0.2670)
contains.

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Color

Yxy(29.8232, 0.2143, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	2FA0C6
RGB	47, 160, 198
RGB Percent	18%, 63%, 78%
CMY	0.8159, 0.3725, 0.2234
CMYK	0.76, 0.19, 0.00, 0.22
HSL	195°, 62%, 48%
HSV	195°, 76%, 78%
XYZ	23.9367, 29.8232, 57.9374
YIQ	130.5450, -79.5460, -12.1380

Conversions

Conversions Part 2

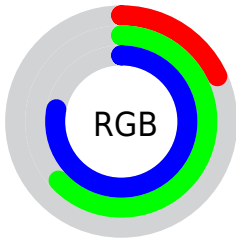
Format	Color
R_{YB}	47, 112, 198
Decimal	3121350
CIE _{Lab}	61.50, -18.31, -28.44
CIE _{LCh}	62, 33.826, 237.236
Yxy	29.8232, 0.2143, 0.2670
Android (android.graphics.Color)	4281311430 (0xFF2FA0C6)
YUV	130.5450, 33.2553, -73.2690
Hunter-Lab	54.6106, -17.3291, -24.6744

Details

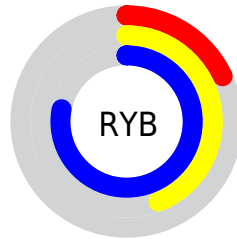
The Yxy color **29.8232, 0.2143, 0.2670** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **18.7085, 0.5343, 0.3695**, and the grayscale version is **22.4238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4657, 0.2327, 0.2800**, and **12.7387, 0.2021, 0.2477** is the 20% darker color. If you saturate the color by 10%, you get **27.7623, 0.2077, 0.2576**, and if you desaturate by 10%, it is **32.1688, 0.2229, 0.2764**.

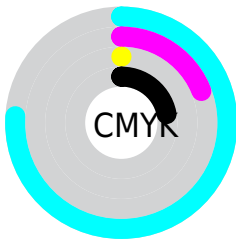
Distribution



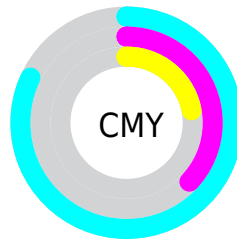
- Red (18%)
- Green (63%)
- Blue (78%)



- Red (18%)
- Yellow (44%)
- Blue (78%)



- Cyan (76%)
- Magenta (19%)
- Yellow (0%)
- Black (22%)



- Cyan (82%)
- Magenta (37%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8232, 0.2143, 0.2670 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 29.8232, 0.2143, 0.2670 by changing the saturation by 10% instead.

■ 29.8232, 0.2143,
0.2670

■ 29.8232, 0.2143,
0.2670

■ 301.0795, 0.2648,
0.3009

■ 19.7044, 0.2016,
0.2577

■ 59.3825, 0.2328,
0.2800

■ 12.1804, 0.1853,
0.2454

■ 79.5918, 0.2397,
0.2846

■ 6.8666, 0.1638,
0.2283

■ 103.9333, 0.2456,
0.2885

■ 3.3788, 0.1349,
0.2035

■ 132.7916, 0.2505,
0.2918

■ 1.3326, 0.0950,
0.1658

■ 166.5510, 0.2548,
0.2946

■ 0.1662, 0.0000,
0.0572

205.5958, 0.2586,

■ 0.0000, 0.0000,

0.2970

0.0000

250.3105, 0.2619,
0.2991

■ 29.8232, 0.2143,
0.2670

■ 29.8232, 0.2143,
0.2670

■ 27.7623, 0.2077,
0.2576

■ 32.1688, 0.2229,
0.2764

■ 25.9493, 0.2029,
0.2484

■ 34.8224, 0.2333,
0.2856

■ 25.3160, 0.2014,
0.2449

■ 37.8078, 0.2454,
0.2945

■ 41.1452, 0.2587,
0.3030

■ 44.8532, 0.2730,
0.3109

■ 48.9485, 0.2879,
0.3183

■ 53.4471, 0.3031,
0.3251

■ 58.3636, 0.3184,
0.3312

■ 63.7121, 0.3335,
0.3367

Harmonies

Analogous

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



29.8232, 0.2218, 0.3097



29.8232, 0.2143, 0.2670



29.8232, 0.2297, 0.2452

Triad

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



29.8232, 0.2143, 0.2670



29.8232, 0.3734, 0.2943



29.8232, 0.3536, 0.4290

Complementary

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



29.8232, 0.2143, 0.2670



18.7085, 0.5343, 0.3695

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.



29.8232, 0.3988, 0.4135



29.8232, 0.2143, 0.2670



29.8232, 0.4126, 0.3352

Square

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



29.8232, 0.2143, 0.2670



29.8232, 0.3184, 0.2621



29.8232, 0.4215, 0.3779



29.8232, 0.2998, 0.4119

Rectangle

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



29.8232, 0.2143, 0.2670



29.8232, 0.2519, 0.2425



29.8232, 0.4215, 0.3779



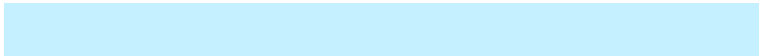
29.8232, 0.3704, 0.4270

Sweetspot

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



29.8243, 0.2143, 0.2670



81.4629, 0.2773, 0.3132



41.6558, 0.2874, 0.5206



16.8887, 0.2719, 0.3104



0.0000, 0.0000, 0.0000



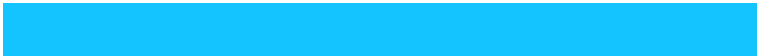
21.4041, 0.3127, 0.3290

Same Dimension

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



29.8243, 0.2143, 0.2670



46.8303, 0.2041, 0.2510



11.1353, 0.1812, 0.1382



11.5980, 0.2984, 0.3230



16.6005, 0.2017, 0.2462



0.8964, 0.2071, 0.2654

Inverse Universe

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



16.5772, 0.3735, 0.2020



25.7578, 0.3908, 0.1956



37.4463, 0.4449, 0.4574



10.7692, 0.3175, 0.3119



9.2158, 0.3961, 0.1955



0.4475, 0.3772, 0.1851

Previews

White Background



This preview shows how the Yxy color 29.8232, 0.2143, 0.2670 looks on a white background.

Color Contrast Check

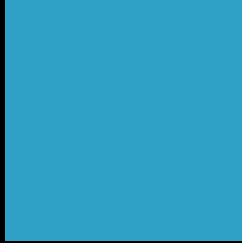
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8232, 0.2143, 0.2670 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 29.8232, 0.2143, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 29.8232, 0.2143, 0.2670.

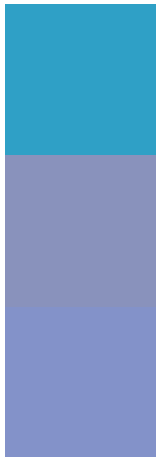


This preview shows how white text looks on a background with the Yxy color 29.8232, 0.2143, 0.2670.

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

29.8232, 0.2143, 0.2670

Protanopia

29.5070, 0.2676, 0.2661

Deuteranopia

29.6001, 0.2533, 0.2484



Tritanopia

29.9319, 0.2210, 0.3061

Trichromacy



Original Color

29.8232, 0.2143, 0.2670



Protanomaly

28.8820, 0.2407, 0.2644



Deuteranomaly

29.0127, 0.2334, 0.2532



Tritanomaly

30.0205, 0.2182, 0.2914

Monochromacy



Original Color

29.8232, 0.2143, 0.2670



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

24.4219, 0.2609, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8232, 0.2143, 0.2670 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(47, 160, 198)` looks like.

```
.text, #text, p{  
    color:rgb(47, 160, 198)  
}
```

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(47, 160, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 160, 198) }
```

Border

The CSS property to change the border of an element to Yxy 29.8232, 0.2143, 0.2670 is called "border". The border property can be set on classes, ids or directly on the HTML element.

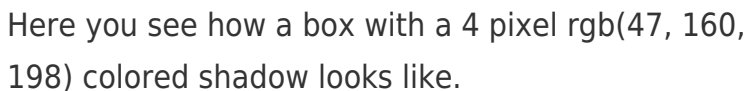
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(47, 160, 198) }
```

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

```
.border{ border-color:rgb(47, 160, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(47, 160, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(47, 160, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(47, 160, 198); box-shadow:4px 4px 4px 4px rgb(47, 160, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8232, 0.2143, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 160, 198) }
```

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

```
.background{ background-color: rgb(47, 160,  
198) }
```

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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