

Converting Colors

$Y_{xy}(29.1204, 0.2179, 0.2403)$

Have a look what the booklet for
Yxy(29.1204, 0.2179, 0.2403)
contains.

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Color

Yxy(29.1911, 0.2177, 0.2402)

Conversions

Conversions Part 1

Format	Color
Hex	5099D3
RGB	80, 153, 211
RGB Percent	31%, 60%, 83%
CMY	0.6864, 0.4000, 0.1725
CMYK	0.62, 0.27, 0.00, 0.17
HSL	207°, 60%, 57%
HSV	207°, 62%, 83%
XYZ	26.4567, 29.1911, 65.8805
YIQ	137.7850, -62.1260, 2.5620

Conversions

Conversions Part 2

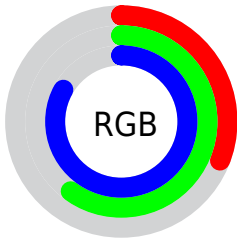
Format	Color
RYB	80, 127, 211
Decimal	5282259
CIELab	60.95, -5.22, -36.49
CIELCh	61, 36.858, 261.864
Yxy	29.1911, 0.2177, 0.2402
Android (android.graphics.Color)	4283472339 (0xFF5099D3)
YUV	137.7850, 36.0950, -50.6774
Hunter-Lab	54.0288, -7.1428, -34.4757

Details

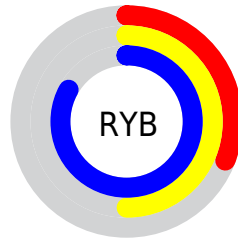
The Yxy color **29.1911, 0.2177, 0.2402** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **32.6021, 0.4566, 0.3980**, and the grayscale version is **25.2050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4211, 0.2419, 0.2714**, and **11.9030, 0.1926, 0.2132** is the 20% darker color. If you saturate the color by 10%, you get **25.4744, 0.2055, 0.2229**, and if you desaturate by 10%, it is **33.4376, 0.2316, 0.2571**.

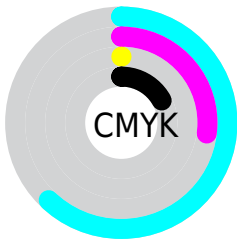
Distribution



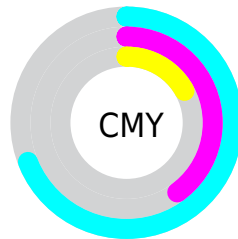
- Red (31%)
- Green (60%)
- Blue (83%)



- Red (31%)
- Yellow (50%)
- Blue (83%)



- Cyan (62%)
- Magenta (27%)
- Yellow (0%)
- Black (17%)



- Cyan (69%)
- Magenta (40%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.1911, 0.2177, 0.2402 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 29.1911, 0.2177, 0.2402 by changing the saturation by 10% instead.

■ 29.1911, 0.2177,
0.2402

■ 29.1911, 0.2177,
0.2402

■ 298.1156, 0.2666,
0.2867

■ 19.2254, 0.2054,
0.2282

■ 58.3806, 0.2357,
0.2575

■ 11.8333, 0.1896,
0.2127

■ 78.3732, 0.2424,
0.2638

■ 6.6303, 0.1689,
0.1922

■ 102.4768, 0.2480,
0.2692

■ 3.2320, 0.1411,
0.1640

■ 131.0760, 0.2528,
0.2738

■ 1.2540, 0.1032,
0.1246

■ 164.5551, 0.2570,
0.2777

■ 0.1052, 0.0000,
0.0265

■ 203.2984, 0.2606,

■ 0.0000, 0.0000,

0.2811

0.0000

247.6905, 0.2638,
0.2841

■ 29.1911, 0.2177,
0.2402

■ 29.1911, 0.2177,
0.2402

■ 25.4744, 0.2055,
0.2229

■ 33.4376, 0.2316,
0.2571

■ 22.2510, 0.1952,
0.2057

■ 38.2404, 0.2465,
0.2732

■ 19.4824, 0.1872,
0.1888

■ 43.6277, 0.2622,
0.2884

■ 17.5682, 0.1822,
0.1760

■ 49.6242, 0.2782,
0.3024

■ 56.2530, 0.2940,
0.3152

■ 63.5360, 0.3095,
0.3267

■ 71.4938, 0.3245,
0.3370

■ 80.1458, 0.3387,
0.3461

■ 86.5777, 0.3416,
0.3551

Harmonies

Analogous

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



29.1911, 0.2054, 0.2675



29.1911, 0.2177, 0.2402



29.1911, 0.2532, 0.2358

Triad

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



29.1911, 0.2177, 0.2402



29.1911, 0.4169, 0.3267



29.1911, 0.3085, 0.4271

Complementary

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



29.1911, 0.2177, 0.2402



32.6021, 0.4566, 0.3980

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.



29.1911, 0.3668, 0.4381



29.1911, 0.2177, 0.2402



29.1911, 0.4329, 0.3732

Square

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



29.1911, 0.2177, 0.2402



29.1911, 0.3691, 0.2839



29.1911, 0.4131, 0.4148



29.1911, 0.2542, 0.3794

Rectangle

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



29.1911, 0.2177, 0.2402



29.1911, 0.2879, 0.2444



29.1911, 0.4131, 0.4148



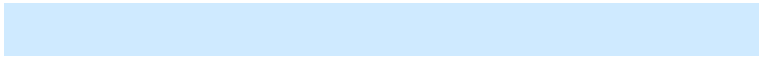
29.1911, 0.3283, 0.4353

Sweetspot

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



29.1921, 0.2177, 0.2402



79.0115, 0.2828, 0.3063



50.1015, 0.2757, 0.4441



16.3037, 0.2782, 0.3024



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.



29.1921, 0.2177, 0.2402



37.1776, 0.2014, 0.2165



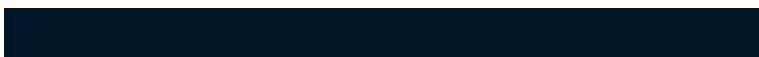
13.5036, 0.1951, 0.1416



12.4947, 0.2983, 0.3185



10.8076, 0.1829, 0.1784



0.7612, 0.1913, 0.2086

Inverse Universe

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



21.8842, 0.3949, 0.2435



27.8137, 0.4228, 0.2336



56.8044, 0.4049, 0.4647



11.9170, 0.3205, 0.3161



9.1623, 0.4705, 0.2365



0.5281, 0.4357, 0.2174

Previews

White Background



This preview shows how the Yxy color 29.1911, 0.2177, 0.2402 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 29.1911, 0.2177, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

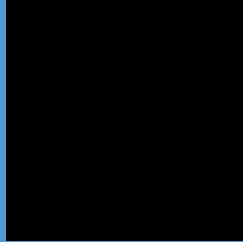
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

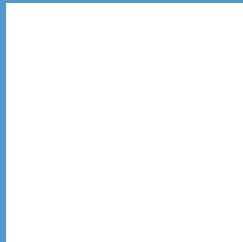
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 29.1911, 0.2177, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 29.1911, 0.2177, 0.2402.

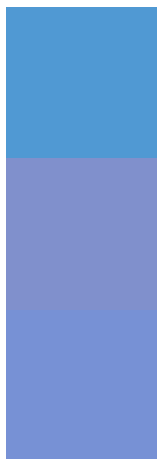


This preview shows how white text looks on a background with the Yxy color 29.1911, 0.2177, 0.2402.

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

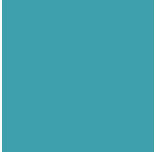
29.1911, 0.2177, 0.2402

Protanopia

28.8953, 0.2485, 0.2412

Deuteranopia

28.9768, 0.2366, 0.2305



Tritanopia

29.1829, 0.2319, 0.3063

Trichromacy



Original Color

29.1911, 0.2177, 0.2402

Protanomaly

28.7519, 0.2352, 0.2394

Deuteranomaly

28.9365, 0.2289, 0.2341

Tritanomaly

28.9670, 0.2262, 0.2790

Monochromacy



Original Color

29.1911, 0.2177, 0.2402

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.1434, 0.2677, 0.2922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1911, 0.2177, 0.2402 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(80, 153, 211)` looks like.

```
.text, #text, p{  
    color:rgb(80, 153, 211)  
}
```

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(80, 153, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 153, 211) }
```

Border

The CSS property to change the border of an element to Yxy 29.1911, 0.2177, 0.2402 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(80, 153, 211) }
```

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

```
.border{ border-color:rgb(80, 153, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 153, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 153, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 153, 211);  
box-shadow:4px 4px 4px 4px rgb(80, 153,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1911, 0.2177, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 153, 211) }
```

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

```
.background{ background-color: rgb(80, 153,  
211) }
```

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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