

Converting Colors

$Yxy(30.5323, 0.2082, 0.2498)$

Have a look what the booklet for
Yxy(30.5323, 0.2082, 0.2498)
contains.

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Color

$\text{Yxy}(30.3802, 0.2081, 0.2492)$

Conversions

Conversions Part 1

Format	Color
Hex	2CA0D3
RGB	44, 160, 211
RGB Percent	17%, 63%, 83%
CMY	0.8272, 0.3726, 0.1725
CMYK	0.79, 0.24, 0.00, 0.17
HSL	198°, 65%, 50%
HSV	198°, 79%, 83%
XYZ	25.3697, 30.3802, 66.1611
YIQ	131.1300, -85.5070, -8.7310

Conversions

Conversions Part 2

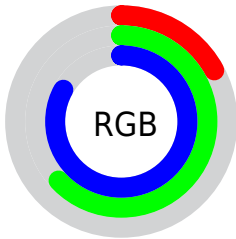
Format	Color
R_{YB}	44, 112, 211
Decimal	2924755
CIE _{Lab}	61.98, -14.19, -34.95
CIE _{LCh}	62, 37.722, 247.896
Yxy	30.3802, 0.2081, 0.2492
Android (android.graphics.Color)	4281114835 (0xFF2CA0D3)
YUV	131.1300, 39.3759, -76.4130
Hunter-Lab	55.1182, -14.2975, -32.5859

Details

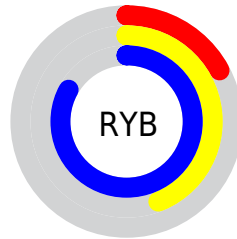
The Yxy color **30.3802, 0.2081, 0.2492** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **22.2296, 0.5355, 0.3789**, and the grayscale version is **22.6316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5339, 0.2331, 0.2801**, and **13.3376, 0.1970, 0.2291** is the 20% darker color. If you saturate the color by 10%, you get **27.8484, 0.2013, 0.2376**, and if you desaturate by 10%, it is **33.2675, 0.2169, 0.2609**.

Distribution



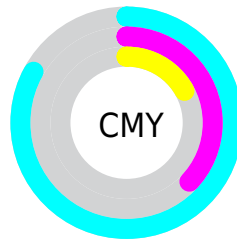
- Red (17%)
- Green (63%)
- Blue (83%)



- Red (17%)
- Yellow (44%)
- Blue (83%)



- Cyan (79%)
- Magenta (24%)
- Yellow (0%)
- Black (17%)



- Cyan (83%)
- Magenta (37%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.3802, 0.2081, 0.2492 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 30.3802, 0.2081, 0.2492 by changing the saturation by 10% instead.

■ 30.3802, 0.2081,
0.2492

■ 30.3802, 0.2081,
0.2492

■ 303.6727, 0.2613,
0.2917

■ 20.1274, 0.1949,
0.2380

■ 60.2629, 0.2274,
0.2651

■ 12.4876, 0.1783,
0.2235

■ 80.6616, 0.2347,
0.2710

■ 7.0767, 0.1567,
0.2040

■ 105.2110, 0.2408,
0.2759

■ 3.5101, 0.1281,
0.1769

■ 134.2955, 0.2461,
0.2800

■ 1.4035, 0.0902,
0.1382

■ 168.2995, 0.2507,
0.2836

■ 0.2193, 0.0000,
0.0532

207.6075, 0.2546,

■ 0.0000, 0.0000,

0.2866

0.0000

252.6037, 0.2582,
0.2893

■ 30.3802, 0.2081,
0.2492

■ 30.3802, 0.2081,
0.2492

■ 27.8484, 0.2013,
0.2376

■ 33.2675, 0.2169,
0.2609

■ 25.6151, 0.1963,
0.2262

■ 36.5404, 0.2277,
0.2724

■ 25.4272, 0.1959,
0.2252

■ 40.2285, 0.2400,
0.2835

■ 44.3570, 0.2536,
0.2942

■ 48.9487, 0.2682,
0.3042

■ 54.0245, 0.2833,
0.3135

■ 59.6040, 0.2987,
0.3220

■ 65.7053, 0.3141,
0.3296

■ 72.3458, 0.3291,
0.3365

Harmonies

Analogous

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



30.3802, 0.2072, 0.2879



30.3802, 0.2081, 0.2492



30.3802, 0.2332, 0.2343

Triad

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



30.3802, 0.2081, 0.2492



30.3802, 0.3986, 0.3057



30.3802, 0.3363, 0.4384

Complementary

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



30.3802, 0.2081, 0.2492



22.2296, 0.5355, 0.3789

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.



30.3802, 0.3915, 0.4316



30.3802, 0.2081, 0.2492



30.3802, 0.4312, 0.3517

Square

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



30.3802, 0.2081, 0.2492



30.3802, 0.3410, 0.2667



30.3802, 0.4274, 0.3972



30.3802, 0.2776, 0.4060

Rectangle

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



30.3802, 0.2081, 0.2492



30.3802, 0.2623, 0.2367



30.3802, 0.4274, 0.3972



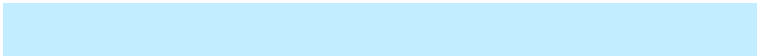
30.3802, 0.3559, 0.4402

Sweetspot

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



30.3812, 0.2081, 0.2492



78.8269, 0.2755, 0.3088



47.9411, 0.2841, 0.5166



16.2829, 0.2701, 0.3054



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.



30.3812, 0.2081, 0.2492



40.3436, 0.1977, 0.2297



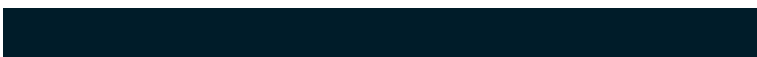
10.6110, 0.1741, 0.1193



12.7719, 0.2983, 0.3217



15.5321, 0.1964, 0.2269



1.0051, 0.2022, 0.2478

Inverse Universe

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



18.1940, 0.3909, 0.2085



24.8769, 0.4127, 0.2065



45.7223, 0.4413, 0.4674



11.9450, 0.3184, 0.3130



9.6392, 0.4159, 0.2065



0.5528, 0.3944, 0.1946

Previews

White Background



This preview shows how the Yxy color 30.3802, 0.2081, 0.2492 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.3802, 0.2081, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

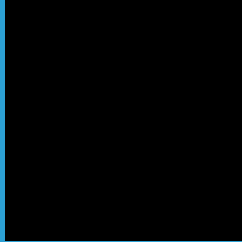
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

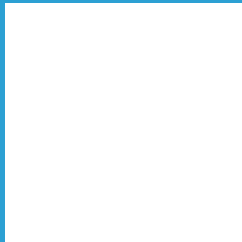
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.3802, 0.2081, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 30.3802, 0.2081, 0.2492.

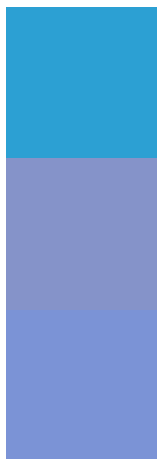


This preview shows how white text looks on a background with the Yxy color 30.3802, 0.2081, 0.2492.

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

30.3802, 0.2081, 0.2492

Protanopia

30.0710, 0.2551, 0.2502

Deuteranopia

29.9334, 0.2393, 0.2330



Tritanopia

30.1649, 0.2179, 0.3044

Trichromacy



Original Color

30.3802, 0.2081, 0.2492

Protanomaly

29.6310, 0.2315, 0.2484

Deuteranomaly

29.6403, 0.2234, 0.2377

Tritanomaly

30.0661, 0.2129, 0.2818

Monochromacy



Original Color

30.3802, 0.2081, 0.2492

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.5367, 0.2563, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3802, 0.2081, 0.2492 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, 160, 211)` looks like.

```
.text, #text, p{  
  color:rgb(44, 160, 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(44, 160, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 160, 211) }
```

Border

The CSS property to change the border of an element to Yxy 30.3802, 0.2081, 0.2492 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, 160, 211) }
```

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

```
.border{ border-color:rgb(44, 160, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 160, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 160, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 160, 211);  
box-shadow:4px 4px 4px 4px rgb(44, 160,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3802, 0.2081, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 160, 211) }
```

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

```
.background{ background-color: rgb(44, 160,  
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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