

Converting Colors

$Y_{xy}(30.3389, 0.2100, 0.2665)$

Have a look what the booklet for
Yxy(30.3389, 0.2100, 0.2665)
contains.

Yxy(30.2907, 0.2097, 0.2656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.2907, 0.2097, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	1BA2C9
RGB	27, 162, 201
RGB Percent	11%, 64%, 79%
CMY	0.8938, 0.3647, 0.2118
CMYK	0.87, 0.19, 0.00, 0.21
HSL	193°, 76%, 45%
HSV	193°, 87%, 79%
XYZ	23.9155, 30.2907, 59.8401
YIQ	126.0810, -92.9790, -16.4910

Conversions

Conversions Part 2

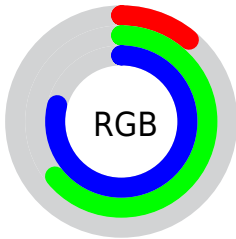
Format	Color
R_{YB}	27, 103, 201
Decimal	1811145
CIE _{Lab}	61.90, -20.14, -29.51
CIE _{LCh}	62, 35.721, 235.688
Yxy	30.2907, 0.2097, 0.2656
Android (android.graphics.Color)	4280001225 (0xFF1BA2C9)
YUV	126.0810, 36.9351, -86.8940
Hunter-Lab	55.0370, -18.7502, -25.9384

Details

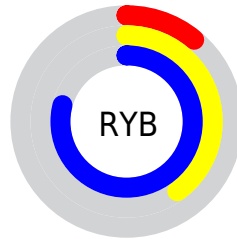
The Yxy color **30.2907, 0.2097, 0.2656** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.4018, 0.5771, 0.3608**, and the grayscale version is **20.7976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.9715, 0.2302, 0.2822**, and **13.2584, 0.2019, 0.2469** is the 20% darker color. If you saturate the color by 10%, you get **28.5432, 0.2054, 0.2574**, and if you desaturate by 10%, it is **32.2827, 0.2159, 0.2739**.

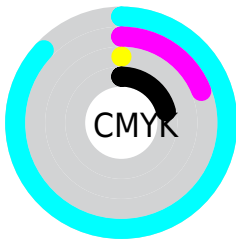
Distribution



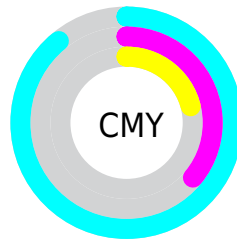
- Red (11%)
- Green (64%)
- Blue (79%)



- Red (11%)
- Yellow (40%)
- Blue (79%)



- Cyan (87%)
- Magenta (19%)
- Yellow (0%)
- Black (21%)





- Cyan (89%)
- Magenta (36%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.2907, 0.2097, 0.2656 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 30.2907, 0.2097, 0.2656 by changing the saturation by 10% instead.


 30.2907, 0.2097,
0.2656


 30.2907, 0.2097,
0.2656


303.2571, 0.2622,
0.3003


 20.0593, 0.1966,
0.2561


 60.1216, 0.2289,
0.2788


 12.4382, 0.1799,
0.2435


 80.4899, 0.2361,
0.2836

 7.0428, 0.1580,
0.2262


 105.0060, 0.2421,
0.2876

 3.4889, 0.1289,
0.2012

 134.0543, 0.2473,
0.2909

 1.3920, 0.0894,
0.1634

 168.0192, 0.2518,
0.2938

 0.2108, 0.0000,
0.0658

207.2850, 0.2557,

 0.0000, 0.0000,

0.2963

0.0000

252.2362, 0.2592,
0.2984

■ 30.2907, 0.2097,
0.2656

■ 30.2907, 0.2097,
0.2656

■ 28.5432, 0.2054,
0.2574

■ 32.2827, 0.2159,
0.2739

■ 27.9694, 0.2041,
0.2546

■ 34.5511, 0.2241,
0.2821

■ 37.1244, 0.2341,
0.2902

■ 40.0260, 0.2457,
0.2981

■ 43.2767, 0.2587,
0.3057

■ 46.8955, 0.2728,
0.3127

■ 50.8997, 0.2875,
0.3193

■ 55.3055, 0.3027,
0.3254

■ 60.1280, 0.3180,
0.3308

Harmonies

Analogous

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



30.2907, 0.2186, 0.3112



30.2907, 0.2097, 0.2656



30.2907, 0.2245, 0.2420

Triad

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



30.2907, 0.2097, 0.2656



30.2907, 0.3737, 0.2906



30.2907, 0.3581, 0.4341

Complementary

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



30.2907, 0.2097, 0.2656



16.4018, 0.5771, 0.3608

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.



30.2907, 0.4047, 0.4157



30.2907, 0.2097, 0.2656



30.2907, 0.4163, 0.3328

Square

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



30.2907, 0.2097, 0.2656



30.2907, 0.3154, 0.2578



30.2907, 0.4273, 0.3775



30.2907, 0.3018, 0.4184

Rectangle

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



30.2907, 0.2097, 0.2656



30.2907, 0.2468, 0.2385



30.2907, 0.4273, 0.3775



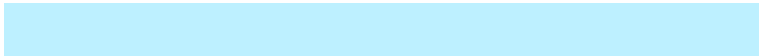
30.2907, 0.3755, 0.4312

Sweetspot

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



30.2918, 0.2097, 0.2656



80.3998, 0.2730, 0.3129



42.3835, 0.2908, 0.5530



16.7265, 0.2680, 0.3104



0.0000, 0.0000, 0.0000



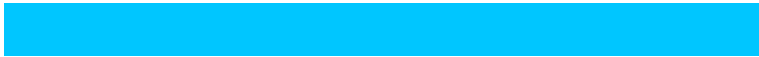
21.4041, 0.3127, 0.3290

Same Dimension

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



30.2918, 0.2097, 0.2656



47.5281, 0.2038, 0.2535



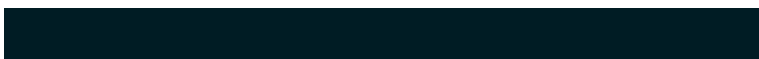
9.6694, 0.1708, 0.1214



11.6485, 0.2984, 0.3237



17.7292, 0.2044, 0.2558



0.9417, 0.2091, 0.2728

Inverse Universe

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



15.8131, 0.3762, 0.1919



25.3291, 0.3888, 0.1915



34.8617, 0.4653, 0.4573



10.7743, 0.3171, 0.3113



9.3298, 0.3865, 0.1903



0.4521, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 30.2907, 0.2097, 0.2656 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 30.2907, 0.2097, 0.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

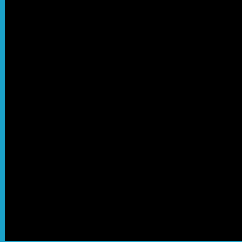
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.2907, 0.2097, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 30.2907, 0.2097, 0.2656.

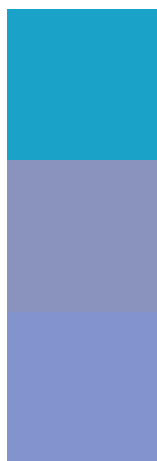


This preview shows how white text looks on a background with the Yxy color 30.2907, 0.2097, 0.2656.

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

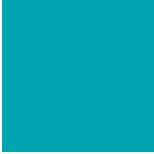
30.2907, 0.2097, 0.2656

Protanopia

29.9884, 0.2671, 0.2651

Deuteranopia

30.1005, 0.2508, 0.2450



Tritanopia

30.1246, 0.2184, 0.3061

Trichromacy



Original Color

30.2907, 0.2097, 0.2656

Protanomaly

28.9482, 0.2359, 0.2627

Deuteranomaly

29.1433, 0.2274, 0.2488

Tritanomaly

30.1606, 0.2151, 0.2913

Monochromacy



Original Color

30.2907, 0.2097, 0.2656

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.9388, 0.2536, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2907, 0.2097, 0.2656 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(27, 162, 201)` looks like.

```
.text, #text, p{  
    color:rgb(27, 162, 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(27, 162, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 162, 201) }
```

Border

The CSS property to change the border of an element to Yxy 30.2907, 0.2097, 0.2656 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(27, 162, 201) }
```

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

```
.border{ border-color:rgb(27, 162, 201) }
```

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

Here you see how a box with a 4 pixel rgb(27, 162, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 162, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 162, 201);  
box-shadow:4px 4px 4px 4px rgb(27, 162,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2907, 0.2097, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 162, 201) }
```

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

```
.background{ background-color: rgb(27, 162,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor