

Converting Colors

$Y_{xy}(38.9790, 0.2162, 0.2700)$

Have a look what the booklet for
Yxy(38.9790, 0.2162, 0.2700)
contains.

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Color

Yxy(39.1677, 0.2163, 0.2705)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3AB5DD |
| RGB | 58, 181, 221 |
| RGB Percent | 23%, 71%, 87% |
| CMY | 0.7724, 0.2902, 0.1334 |
| CMYK | 0.74, 0.18, 0.00, 0.13 |
| HSL | 195°, 71%, 55% |
| HSV | 195°, 74%, 87% |
| XYZ | 31.3197, 39.1677, 74.3100 |
| YIQ | 148.7830, -86.1480, -13.6360 |

Conversions

Conversions Part 2

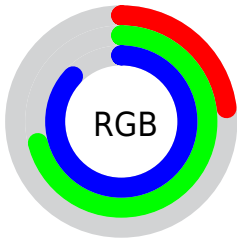
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 58, 128, 221 |
| Decimal | 3847645 |
| CIE Lab | 68.87, -20.48, -29.75 |
| CIE LCh | 69, 36.120, 235.464 |
| Yxy | 39.1677, 0.2163, 0.2705 |
| Android (android.graphics.Color) | 4282037725 (0xFF3AB5DD) |
| YUV | 148.7830, 35.6030, -79.6167 |
| Hunter-Lab | 62.5841, -20.1934, -26.5899 |

Details

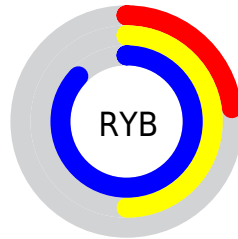
The Yxy color **39.1677, 0.2163, 0.2705** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **24.4154, 0.5276, 0.3686**, and the grayscale version is **29.8375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3004, 0.2430, 0.3077**, and **18.1915, 0.2039, 0.2540** is the 20% darker color. If you saturate the color by 10%, you get **36.4798, 0.2093, 0.2613**, and if you desaturate by 10%, it is **42.2283, 0.2253, 0.2796**.

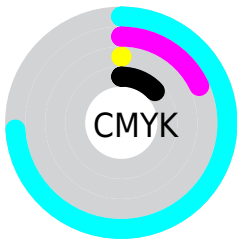
Distribution



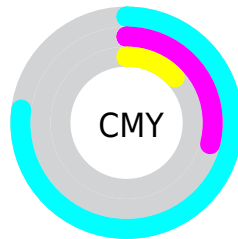
- Red (23%)
- Green (71%)
- Blue (87%)



- Red (23%)
- Yellow (50%)
- Blue (87%)



- Cyan (74%)
- Magenta (18%)
- Yellow (0%)
- Black (13%)





- Cyan (77%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.1677, 0.2163, 0.2705 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 39.1677, 0.2163, 0.2705 by changing the saturation by 10% instead.


 39.1677, 0.2163,
0.2705


 39.1677, 0.2163,
0.2705


342.6030, 0.2637,
0.3013


 26.8902, 0.2050,
0.2625


 73.8944, 0.2332,
0.2820


 17.4908, 0.1908,
0.2521


 97.1125, 0.2396,
0.2862


 10.5850, 0.1726,
0.2382


 124.7462, 0.2451,
0.2897

 5.7885, 0.1487,
0.2188

 157.1799, 0.2499,
0.2927

 2.7169, 0.1167,
0.1905

 194.7980, 0.2540,
0.2953

 0.9858, 0.0654,
0.1486

237.9850, 0.2576,

 0.0000, 0.0000,

0.2976

0.0000

287.1252, 0.2608,
0.2995

■ 39.1677, 0.2163,
0.2705

■ 39.1677, 0.2163,
0.2705

■ 36.4798, 0.2093,
0.2613

■ 42.2283, 0.2253,
0.2796

■ 34.1202, 0.2043,
0.2522

■ 45.6907, 0.2361,
0.2886

■ 32.7707, 0.2018,
0.2466

■ 49.5852, 0.2484,
0.2973

■ 53.9376, 0.2620,
0.3055

■ 58.7713, 0.2765,
0.3132

■ 64.1082, 0.2916,
0.3203

■ 69.9684, 0.3070,
0.3267

■ 76.3708, 0.3223,
0.3326

■ 82.9674, 0.3361,
0.3379

Harmonies

Analogous

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



39.1677, 0.2250, 0.3133



39.1677, 0.2163, 0.2705



39.1677, 0.2301, 0.2478

Triad

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



39.1677, 0.2163, 0.2705



39.1677, 0.3690, 0.2930



39.1677, 0.3558, 0.4263

Complementary

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



39.1677, 0.2163, 0.2705



24.4154, 0.5276, 0.3686

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.



39.1677, 0.3988, 0.4099



39.1677, 0.2163, 0.2705



39.1677, 0.4086, 0.3327

Square

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



39.1677, 0.2163, 0.2705



39.1677, 0.3150, 0.2621



39.1677, 0.4192, 0.3746



39.1677, 0.3033, 0.4116

Rectangle

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



39.1677, 0.2163, 0.2705



39.1677, 0.2510, 0.2443



39.1677, 0.4192, 0.3746



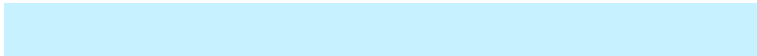
39.1677, 0.3719, 0.4239

Sweetspot

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



39.1691, 0.2163, 0.2705



82.3974, 0.2788, 0.3143



53.4548, 0.2885, 0.5190



17.2244, 0.2748, 0.3123



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.



39.1691, 0.2163, 0.2705



48.7832, 0.2066, 0.2568



15.5222, 0.1850, 0.1473



14.2600, 0.2982, 0.3231



19.2247, 0.2022, 0.2480



1.3773, 0.2063, 0.2627

Inverse Universe

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



21.7361, 0.3700, 0.2027



26.3863, 0.3849, 0.1948



47.3328, 0.4444, 0.4532



13.2174, 0.3175, 0.3115



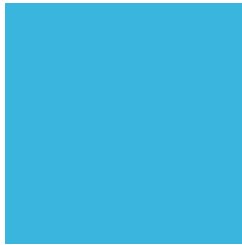
10.5645, 0.3942, 0.1945



0.6977, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 39.1677, 0.2163, 0.2705 looks on a white background.

Color Contrast Check

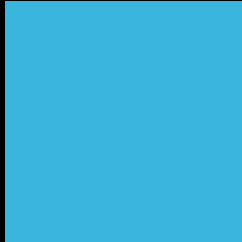
Large Text (above 18pt) WCAG AA × Fail

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 39.1677, 0.2163, 0.2705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

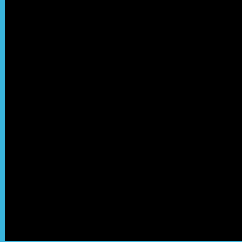
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 39.1677, 0.2163, 0.2705

Background



This preview shows how black text looks on a background with the Yxy color 39.1677, 0.2163, 0.2705.



This preview shows how white text looks on a background with the Yxy color 39.1677, 0.2163, 0.2705.

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

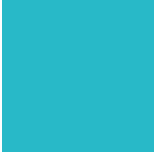
39.1677, 0.2163, 0.2705

Protanopia

38.5816, 0.2705, 0.2698

Deuteranopia

38.5665, 0.2560, 0.2492



Tritanopia

39.3192, 0.2226, 0.3055

Trichromacy



Original Color

39.1677, 0.2163, 0.2705

Protanomaly

37.9230, 0.2439, 0.2695

Deuteranomaly

37.9132, 0.2359, 0.2543

Tritanomaly

39.4394, 0.2202, 0.2924

Monochromacy



Original Color

39.1677, 0.2163, 0.2705

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

32.2979, 0.2629, 0.3067

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.1677, 0.2163, 0.2705 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(58, 181, 221)` looks like.

```
.text, #text, p{  
    color:rgb(58, 181, 221)  
}
```

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(58, 181, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 181, 221) }
```

Border

The CSS property to change the border of an element to Yxy 39.1677, 0.2163, 0.2705 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(58, 181, 221) }
```

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

```
.border{ border-color:rgb(58, 181, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 181, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 181, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 181, 221);  
box-shadow:4px 4px 4px 4px rgb(58, 181,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 39.1677, 0.2163, 0.2705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 181, 221) }
```

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

```
.background{ background-color: rgb(58, 181,  
221) }
```

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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