

Converting Colors

$Y_{xy}(36.3017, 0.2279, 0.2842)$

Have a look what the booklet for
Yxy(36.3017, 0.2279, 0.2842)
contains.

Yxy(36.2095, 0.2275, 0.2831)	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(36.2095, 0.2275, 0.2831)

Conversions

Conversions Part 1

Format	Color
Hex	4DAECC
RGB	77, 174, 204
RGB Percent	30%, 68%, 80%
CMY	0.6980, 0.3176, 0.1999
CMYK	0.62, 0.15, 0.00, 0.20
HSL	194°, 55%, 55%
HSV	194°, 62%, 80%
XYZ	29.0981, 36.2095, 62.5960
YIQ	148.4170, -67.4420, -11.2340

Conversions

Conversions Part 2

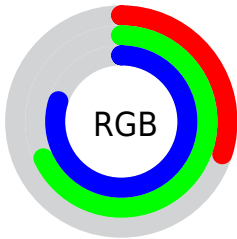
Format	Color
RYB	77, 132, 204
Decimal	5091020
CIELab	66.68, -19.39, -23.75
CIELCh	67, 30.660, 230.767
Yxy	36.2095, 0.2275, 0.2831
Android (android.graphics.Color)	4283281100 (0xFF4DAECC)
YUV	148.4170, 27.4024, -62.6327
Hunter-Lab	60.1743, -18.9891, -19.5541

Details

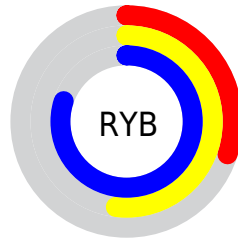
The Yxy color **36.2095, 0.2275, 0.2831** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **23.8993, 0.4819, 0.3655**, and the grayscale version is **29.7041, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1320, 0.2456, 0.2996**, and **15.8768, 0.2075, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **33.6608, 0.2184, 0.2744**, and if you desaturate by 10%, it is **39.0938, 0.2384, 0.2916**.

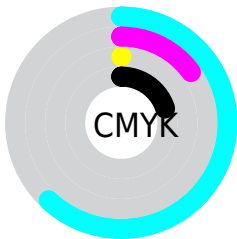
Distribution



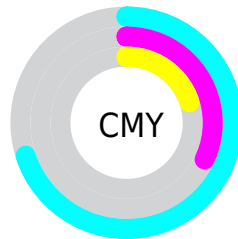
- Red (30%)
- Green (68%)
- Blue (80%)



- Red (30%)
- Yellow (52%)
- Blue (80%)



- Cyan (62%)
- Magenta (15%)
- Yellow (0%)
- Black (20%)



- Cyan (70%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2095, 0.2275, 0.2831 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 36.2095, 0.2275, 0.2831 by changing the saturation by 10% instead.

■ 36.2095, 0.2275,
0.2831

■ 36.2095, 0.2275,
0.2831

■ 329.8753, 0.2703,
0.3078

■ 24.5960, 0.2169,
0.2764

■ 69.3553, 0.2430,
0.2925

■ 15.7763, 0.2035,
0.2677

■ 91.6564, 0.2488,
0.2959

■ 9.3660, 0.1858,
0.2556

■ 118.2889, 0.2538,
0.2987

■ 4.9807, 0.1620,
0.2381

■ 149.6371, 0.2580,
0.3011

■ 2.2359, 0.1287,
0.2111

■ 186.0855, 0.2617,
0.3031

■ 0.7395, 0.0528,
0.1701

■ 228.0184, 0.2649,

■ 0.0000, 0.0000,

0.3049

0.0000

275.8202, 0.2678,
0.3064

■ 36.2095, 0.2275,
0.2831

■ 36.2095, 0.2275,
0.2831

■ 33.6608, 0.2184,
0.2744

■ 39.0938, 0.2384,
0.2916

■ 31.4172, 0.2112,
0.2656

■ 42.3330, 0.2508,
0.2998

■ 29.4485, 0.2059,
0.2569

■ 45.9492, 0.2644,
0.3076

■ 28.0689, 0.2028,
0.2502

■ 49.9614, 0.2789,
0.3149

■ 54.3871, 0.2940,
0.3216

■ 59.2428, 0.3093,
0.3277

■ 64.5437, 0.3245,
0.3332

■ 70.3045, 0.3396,
0.3382

■ 75.4552, 0.3500,
0.3427

Harmonies

Analogous

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



36.2095, 0.2387, 0.3229



36.2095, 0.2275, 0.2831



36.2095, 0.2367, 0.2596

Triad

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



36.2095, 0.2275, 0.2831



36.2095, 0.3550, 0.2925



36.2095, 0.3577, 0.4130

Complementary

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



36.2095, 0.2275, 0.2831



23.8993, 0.4819, 0.3655

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.



36.2095, 0.3926, 0.3964



36.2095, 0.2275, 0.2831



36.2095, 0.3921, 0.3271

Square

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



36.2095, 0.2275, 0.2831



36.2095, 0.3076, 0.2667



36.2095, 0.4060, 0.3644



36.2095, 0.3123, 0.4040

Rectangle

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



36.2095, 0.2275, 0.2831



36.2095, 0.2536, 0.2543



36.2095, 0.4060, 0.3644



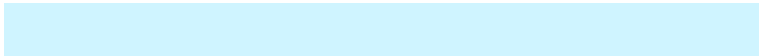
36.2095, 0.3711, 0.4099

Sweetspot

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



36.2108, 0.2275, 0.2831



84.8498, 0.2834, 0.3169



45.8290, 0.2893, 0.4858



17.7218, 0.2791, 0.3149



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.



36.2108, 0.2275, 0.2831



54.2919, 0.2154, 0.2711



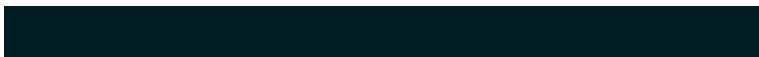
17.2819, 0.2038, 0.1793



12.2600, 0.2983, 0.3234



17.8117, 0.2032, 0.2514



1.0305, 0.2079, 0.2683

Inverse Universe

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



21.2059, 0.3567, 0.2149



29.5414, 0.3697, 0.1998



42.1835, 0.4241, 0.4401



11.3566, 0.3173, 0.3115



9.6011, 0.3908, 0.1927



0.5066, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 36.2095, 0.2275, 0.2831 looks on a white background.

Color Contrast Check

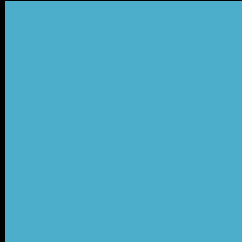
Large Text (above 18pt) WCAG AA × Fail

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 36.2095, 0.2275, 0.2831 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 36.2095, 0.2275, 0.2831

Background



This preview shows how black text looks on a background with the Yxy color 36.2095, 0.2275, 0.2831.

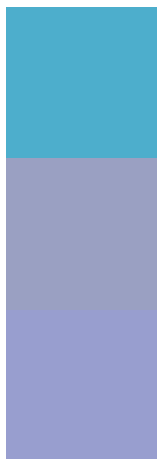


This preview shows how white text looks on a background with the Yxy color 36.2095, 0.2275, 0.2831.

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

36.2095, 0.2275, 0.2831

Protanopia

35.9067, 0.2792, 0.2813

Deuteranopia

35.6341, 0.2678, 0.2619



Tritanopia

36.1518, 0.2323, 0.3051

Trichromacy



Original Color

36.2095, 0.2275, 0.2831

Protanomaly

35.4231, 0.2555, 0.2806

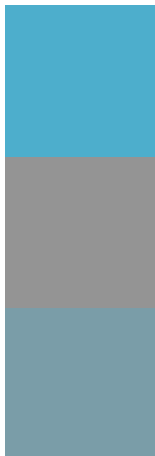
Deuteranomaly

35.3671, 0.2496, 0.2685

Tritanomaly

36.0619, 0.2302, 0.2960

Monochromacy



Original Color

36.2095, 0.2275, 0.2831

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

31.0787, 0.2719, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2095, 0.2275, 0.2831 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(77, 174, 204)` looks like.

```
.text, #text, p{  
    color:rgb(77, 174, 204)  
}
```

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(77, 174, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 174, 204) }
```

Border

The CSS property to change the border of an element to Yxy 36.2095, 0.2275, 0.2831 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(77, 174, 204) }
```

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

```
.border{ border-color:rgb(77, 174, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 174, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 174, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 174, 204);  
box-shadow:4px 4px 4px 4px rgb(77, 174,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2095, 0.2275, 0.2831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 174, 204) }
```

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

```
.background{ background-color: rgb(77, 174,  
204) }
```

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