

Converting Colors

$Yxy(34.0110, 0.2201, 0.2756)$

Have a look what the booklet for
Yxy(34.0110, 0.2201, 0.2756)
contains.

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Color

Yxy(34.1012, 0.2201, 0.2760)

Conversions

Conversions Part 1

Format	Color
Hex	3DAACC
RGB	61, 170, 204
RGB Percent	24%, 67%, 80%
CMY	0.7609, 0.3333, 0.2001
CMYK	0.70, 0.17, 0.00, 0.20
HSL	194°, 58%, 52%
HSV	194°, 70%, 80%
XYZ	27.1945, 34.1012, 62.2594
YIQ	141.2850, -75.8780, -12.5340

Conversions

Conversions Part 2

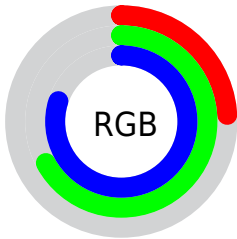
Format	Color
RYB	61, 123, 204
Decimal	4041420
CIELab	65.04, -19.85, -26.27
CIELCh	65, 32.929, 232.925
Yxy	34.1012, 0.2201, 0.2760
Android (android.graphics.Color)	4282231500 (0xFF3DAACC)
YUV	141.2850, 30.9185, -70.4099
Hunter-Lab	58.3962, -19.0680, -22.3349

Details

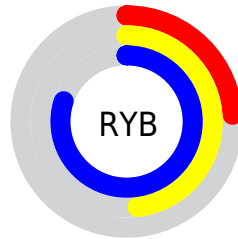
The Yxy color **34.1012, 0.2201, 0.2760** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **21.3454, 0.5131, 0.3672**, and the grayscale version is **26.6504, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5060, 0.2397, 0.2931**, and **15.1589, 0.2056, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **31.7904, 0.2125, 0.2672**, and if you desaturate by 10%, it is **36.7274, 0.2297, 0.2847**.

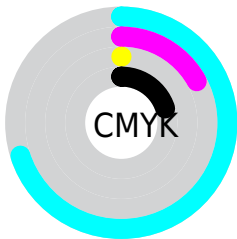
Distribution



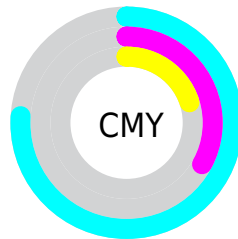
- Red (24%)
- Green (67%)
- Blue (80%)



- Red (24%)
- Yellow (48%)
- Blue (80%)



- Cyan (70%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)





- Cyan (76%)
- Magenta (33%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1012, 0.2201, 0.2760 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 34.1012, 0.2201, 0.2760 by changing the saturation by 10% instead.


 34.1012, 0.2201,
0.2760


 34.1012, 0.2201,
0.2760

 320.5831, 0.2668,
0.3047


 22.9714, 0.2085,
0.2683


 66.0910, 0.2371,
0.2869


 14.5724, 0.1938,
0.2580


 87.7198, 0.2434,
0.2908

 8.5198, 0.1746,
0.2439


 113.6170, 0.2488,
0.2941

 4.4293, 0.1487,
0.2236

 144.1670, 0.2535,
0.2969

 1.9165, 0.1130,
0.1925

 179.7542, 0.2575,
0.2993

 0.5583, 0.0117,
0.1419

 220.7630, 0.2610,

 0.0000, 0.0000,

0.3013

0.0000

267.5778, 0.2641,
0.3031

■ 34.1012, 0.2201,
0.2760

■ 34.1012, 0.2201,
0.2760

■ 31.7904, 0.2125,
0.2672

■ 36.7274, 0.2297,
0.2847

■ 29.7610, 0.2068,
0.2584

■ 39.6911, 0.2409,
0.2932

■ 27.9756, 0.2027,
0.2498

■ 43.0160, 0.2536,
0.3014

■ 46.7226, 0.2675,
0.3091

■ 50.8295, 0.2821,
0.3163

■ 55.3540, 0.2972,
0.3229

■ 60.3122, 0.3126,
0.3289

■ 65.7194, 0.3278,
0.3344

■ 71.5900, 0.3428,
0.3392

Harmonies

Analogous

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



34.1012, 0.2304, 0.3184



34.1012, 0.2201, 0.2760



34.1012, 0.2316, 0.2523

Triad

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



34.1012, 0.2201, 0.2760



34.1012, 0.3624, 0.2916



34.1012, 0.3581, 0.4216

Complementary

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



34.1012, 0.2201, 0.2760



21.3454, 0.5131, 0.3672

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.



34.1012, 0.3978, 0.4043



34.1012, 0.2201, 0.2760



34.1012, 0.4019, 0.3294

Square

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



34.1012, 0.2201, 0.2760



34.1012, 0.3106, 0.2629



34.1012, 0.4148, 0.3697



34.1012, 0.3082, 0.4100

Rectangle

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



34.1012, 0.2201, 0.2760



34.1012, 0.2507, 0.2477



34.1012, 0.4148, 0.3697



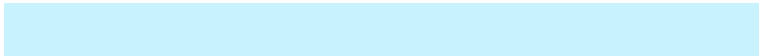
34.1012, 0.3732, 0.4185

Sweetspot

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



34.1024, 0.2201, 0.2760



83.3709, 0.2804, 0.3155



44.9798, 0.2886, 0.5081



17.4276, 0.2762, 0.3135



0.0000, 0.0000, 0.0000



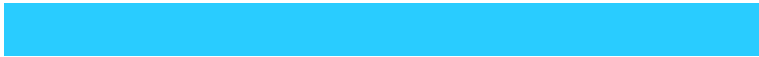
21.4041, 0.3127, 0.3290

Same Dimension

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



34.1024, 0.2201, 0.2760



50.9297, 0.2094, 0.2628



14.2948, 0.1910, 0.1579



12.2578, 0.2983, 0.3234



17.7625, 0.2031, 0.2510



1.0284, 0.2078, 0.2680

Inverse Universe

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



19.0718, 0.3643, 0.2055



27.1974, 0.3787, 0.1945



40.3860, 0.4378, 0.4494



11.3564, 0.3173, 0.3115



9.5961, 0.3912, 0.1929



0.5064, 0.3747, 0.1838

Previews

White Background



This preview shows how the Yxy color 34.1012, 0.2201, 0.2760 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 34.1012, 0.2201, 0.2760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

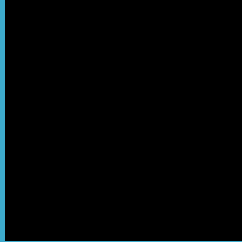
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1012, 0.2201, 0.2760

Background



This preview shows how black text looks on a background with the Yxy color 34.1012, 0.2201, 0.2760.

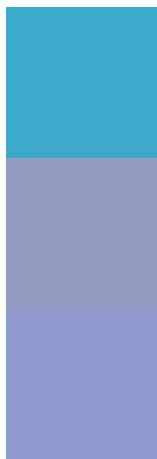


This preview shows how white text looks on a background with the Yxy color 34.1012, 0.2201, 0.2760.

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

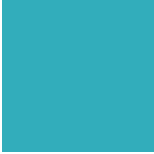
34.1012, 0.2201, 0.2760

Protanopia

33.5888, 0.2744, 0.2746

Deuteranopia

33.5946, 0.2602, 0.2538



Tritanopia

34.1531, 0.2259, 0.3059

Trichromacy



Original Color

34.1012, 0.2201, 0.2760

Protanomaly

32.8858, 0.2481, 0.2733

Deuteranomaly

33.2240, 0.2408, 0.2599

Tritanomaly

34.1396, 0.2238, 0.2950

Monochromacy



Original Color

34.1012, 0.2201, 0.2760

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.5816, 0.2660, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1012, 0.2201, 0.2760 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(61, 170, 204)` looks like.

```
.text, #text, p{  
    color:rgb(61, 170, 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(61, 170, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 170, 204) }
```

Border

The CSS property to change the border of an element to Yxy 34.1012, 0.2201, 0.2760 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(61, 170, 204) }
```

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

```
.border{ border-color:rgb(61, 170, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 170, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 170, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 170, 204);  
box-shadow:4px 4px 4px 4px rgb(61, 170,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1012, 0.2201, 0.2760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 170, 204) }
```

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

```
.background{ background-color: rgb(61, 170,  
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](#).

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