

Converting Colors

$Yxy(41.9916, 0.2253, 0.3062)$

Have a look what the booklet for
Yxy(41.9916, 0.2253, 0.3062)
contains.

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Color

Yxy(41.9916, 0.2253, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	35BECD
RGB	53, 190, 205
RGB Percent	21%, 75%, 80%
CMY	0.7927, 0.2549, 0.1960
CMYK	0.74, 0.07, 0.00, 0.20
HSL	186°, 60%, 51%
HSV	186°, 74%, 80%
XYZ	30.8972, 41.9916, 64.2491
YIQ	150.7470, -86.4670, -24.3790

Conversions

Conversions Part 2

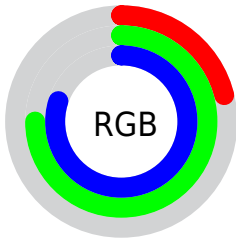
Format	Color
RYB	53, 125, 205
Decimal	3522253
CIELab	70.87, -30.63, -17.98
CIELCh	71, 35.516, 210.422
Yxy	41.9916, 0.2253, 0.3062
Android (android.graphics.Color)	4281712333 (0xFF35BECD)
YUV	150.7470, 26.7467, -85.7241
Hunter-Lab	64.8009, -28.2926, -13.4244




Details

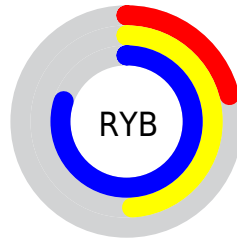
The Yxy color **41.9916, 0.2253, 0.3062** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **17.3563, 0.5525, 0.3439**, and the grayscale version is **30.7287, 0.3127, 0.3290**.




A 20% lighter version of the original color is **77.8791, 0.2435, 0.3195**, and **19.8427, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **40.6827, 0.2204, 0.3028**, and if you desaturate by 10%, it is **43.5531, 0.2321, 0.3096**.

Distribution







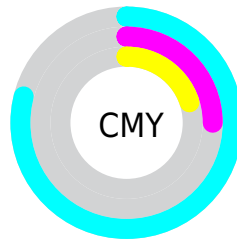
-  Red (21%)
-  Green (75%)
-  Blue (80%)






-  Red (21%)
-  Yellow (49%)
-  Blue (80%)



-  Cyan (74%)
-  Magenta (7%)
-  Yellow (0%)
-  Black (20%)





-  Cyan (79%)
-  Magenta (25%)
-  Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9916, 0.2253, 0.3062 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 41.9916, 0.2253, 0.3062 by changing the saturation by 10% instead.


 41.9916, 0.2253,
0.3062

 41.9916, 0.2253,
0.3062


354.4481, 0.2682,
0.3191


 29.0947, 0.2149,
0.3025


 78.1869, 0.2407,
0.3112


 19.1525, 0.2019,
0.2976


 102.2541, 0.2465,
0.3130

 11.7805, 0.1851,
0.2906

 130.8136, 0.2515,
0.3145

 6.5944, 0.1626,
0.2801

 164.2497, 0.2557,
0.3157

 3.2098, 0.1316,
0.2632

 202.9467, 0.2595,
0.3168

 1.2422, 0.0753,
0.2363

247.2893, 0.2627,

 0.0958, 0.0000,

0.3177

0.0632

297.6616, 0.2656,
0.3185

■ 0.0000, 0.0000,
0.0000

■ 41.9916, 0.2253,
0.3062

■ 41.9916, 0.2253,
0.3062

■ 40.6827, 0.2204,
0.3028

■ 43.5531, 0.2321,
0.3096

■ 39.5888, 0.2173,
0.2994

■ 45.3896, 0.2409,
0.3130

■ 39.0214, 0.2160,
0.2975

■ 47.5259, 0.2514,
0.3163

■ 49.9831, 0.2634,
0.3195

■ 52.7799, 0.2768,
0.3225

■ 55.9338, 0.2911,
0.3254

■ 59.4610, 0.3062,
0.3280

■ 63.3767, 0.3217,
0.3303

■ 67.6951, 0.3373,
0.3325

Harmonies

Analogous

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



41.9916, 0.2518, 0.3572



41.9916, 0.2253, 0.3062



41.9916, 0.2204, 0.2678

Triad

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



41.9916, 0.2253, 0.3062



41.9916, 0.3238, 0.2686



41.9916, 0.3900, 0.4112

Complementary

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



41.9916, 0.2253, 0.3062



17.3563, 0.5525, 0.3439

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.



41.9916, 0.4138, 0.3795



41.9916, 0.2253, 0.3062



41.9916, 0.3745, 0.3003

Square

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



41.9916, 0.2253, 0.3062



41.9916, 0.2737, 0.2502



41.9916, 0.4086, 0.3395



41.9916, 0.3463, 0.4223

Rectangle

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



41.9916, 0.2253, 0.3062



41.9916, 0.2293, 0.2531



41.9916, 0.4086, 0.3395



41.9916, 0.4007, 0.4023

Sweetspot

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



41.9931, 0.2253, 0.3062



87.3875, 0.2795, 0.3231



44.8151, 0.2976, 0.5496



18.4164, 0.2757, 0.3223



0.0000, 0.0000, 0.0000



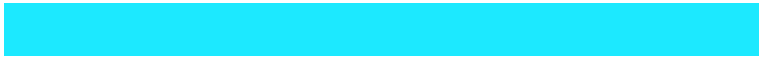
21.4041, 0.3127, 0.3290

Same Dimension

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



41.9931, 0.2253, 0.3062



65.5235, 0.2183, 0.3008



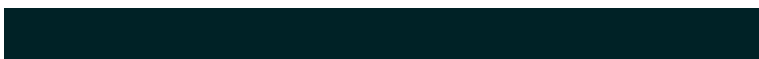
17.7119, 0.1940, 0.1832



12.5305, 0.2983, 0.3266



24.3644, 0.2161, 0.2980



1.3130, 0.2179, 0.3045

Inverse Universe

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



19.2335, 0.3387, 0.1823



27.9537, 0.3444, 0.1710



32.4711, 0.4684, 0.4292



11.3839, 0.3153, 0.3084



10.2626, 0.3472, 0.1686



0.5351, 0.3414, 0.1655

Previews

White Background



This preview shows how the Yxy color 41.9916, 0.2253, 0.3062 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 41.9916, 0.2253, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

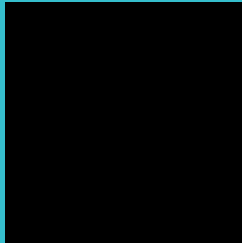
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9916, 0.2253, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 41.9916, 0.2253, 0.3062.



This preview shows how white text looks on a background with the Yxy color 41.9916, 0.2253, 0.3062.

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

41.9916, 0.2253, 0.3062

Protanopia

41.3666, 0.2940, 0.3008

Deuteranopia

41.2045, 0.2812, 0.2745



Tritanopia

41.9916, 0.2253, 0.3062

Trichromacy



Original Color

41.9916, 0.2253, 0.3062

Protanomaly

40.3840, 0.2595, 0.3015

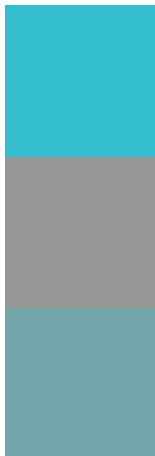
Deuteranomaly

40.1168, 0.2524, 0.2839

Tritanomaly

41.9916, 0.2253, 0.3062

Monochromacy



Original Color

41.9916, 0.2253, 0.3062

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

33.4954, 0.2658, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9916, 0.2253, 0.3062 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(53, 190, 205)` looks like.

```
.text, #text, p{  
    color:rgb(53, 190, 205)  
}
```

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(53, 190, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 190, 205) }
```

Border

The CSS property to change the border of an element to Yxy 41.9916, 0.2253, 0.3062 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(53, 190, 205) }
```

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

```
.border{ border-color:rgb(53, 190, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 190, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 190, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 190, 205);  
box-shadow:4px 4px 4px 4px rgb(53, 190,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9916, 0.2253, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 190, 205) }
```

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

```
.background{ background-color: rgb(53, 190,  
205) }
```

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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