

Converting Colors

$Y_{xy}(40.7035, 0.2179, 0.2928)$

Have a look what the booklet for
Yxy(40.7035, 0.2179, 0.2928)
contains.

Yxy(40.6011, 0.2179, 0.2927)	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(40.6011, 0.2179, 0.2927)

Conversions

Conversions Part 1

Format	Color
Hex	23BBD3
RGB	35, 187, 211
RGB Percent	14%, 73%, 83%
CMY	0.8624, 0.2667, 0.1725
CMYK	0.83, 0.11, 0.00, 0.17
HSL	188°, 71%, 48%
HSV	188°, 83%, 83%
XYZ	30.2254, 40.6011, 67.8858
YIQ	144.2880, -98.2960, -24.7600

Conversions

Conversions Part 2

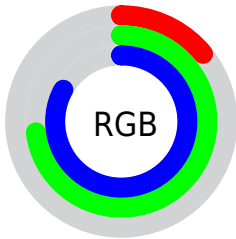
Format	Color
RYB	35, 117, 211
Decimal	2341843
CIELab	69.90, -28.96, -22.76
CIELCh	70, 36.832, 218.171
Yxy	40.6011, 0.2179, 0.2927
Android (android.graphics.Color)	4280531923 (0xFF23BBD3)
YUV	144.2880, 32.8890, -95.8456
Hunter-Lab	63.7190, -26.8359, -18.5639

Details

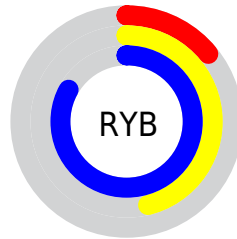
The Yxy color **40.6011, 0.2179, 0.2927** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle washed azure. A complement of this color would be **17.1145, 0.5837, 0.3475**, and the grayscale version is **27.9188, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4988, 0.2399, 0.3159**, and **19.1754, 0.2117, 0.2822** is the 20% darker color. If you saturate the color by 10%, you get **39.1263, 0.2142, 0.2879**, and if you desaturate by 10%, it is **42.3251, 0.2235, 0.2975**.

Distribution



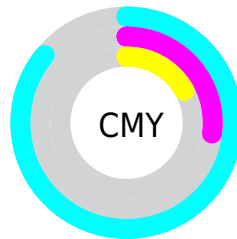
- Red (14%)
- Green (73%)
- Blue (83%)



- Red (14%)
- Yellow (46%)
- Blue (83%)



- Cyan (83%)
- Magenta (11%)
- Yellow (0%)
- Black (17%)





- Cyan (86%)
- Magenta (27%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6011, 0.2179, 0.2927 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 40.6011, 0.2179, 0.2927 by changing the saturation by 10% instead.


 40.6011, 0.2179,
0.2927


 40.6011, 0.2179,
0.2927


348.6506, 0.2644,
0.3126

 28.0075, 0.2067,
0.2872


 76.0780, 0.2345,
0.3003


 18.3313, 0.1927,
0.2800


 99.7301, 0.2408,
0.3031

 11.1881, 0.1747,
0.2700


 127.8371, 0.2462,
0.3054

 6.1935, 0.1510,
0.2554

 160.7835, 0.2509,
0.3073

 2.9631, 0.1188,
0.2327

 198.9537, 0.2549,
0.3089

 1.1125, 0.0595,
0.1981

242.7320, 0.2584,

 0.0000, 0.0000,

0.3103

0.0000

292.5029, 0.2616,
0.3116

■ 40.6011, 0.2179,
0.2927

■ 40.6011, 0.2179,
0.2927

■ 39.1263, 0.2142,
0.2879

■ 42.3251, 0.2235,
0.2975

■ 38.2438, 0.2124,
0.2848

■ 44.3287, 0.2310,
0.3024

■ 46.6421, 0.2403,
0.3071

■ 49.2903, 0.2514,
0.3118

■ 52.2955, 0.2640,
0.3162

■ 55.6780, 0.2777,
0.3204

■ 59.4564, 0.2923,
0.3243

■ 63.6482, 0.3075,
0.3279

■ 68.2695, 0.3230,
0.3311

Harmonies

Analogous

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



40.6011, 0.2397, 0.3443



40.6011, 0.2179, 0.2927



40.6011, 0.2188, 0.2578

Triad

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



40.6011, 0.2179, 0.2927



40.6011, 0.3386, 0.2733



40.6011, 0.3831, 0.4207

Complementary

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



40.6011, 0.2179, 0.2927



17.1145, 0.5837, 0.3475

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.



40.6011, 0.4148, 0.3913



40.6011, 0.2179, 0.2927



40.6011, 0.3892, 0.3089

Square

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



40.6011, 0.2179, 0.2927



40.6011, 0.2844, 0.2502



40.6011, 0.4178, 0.3507



40.6011, 0.3340, 0.4251

Rectangle

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



40.6011, 0.2179, 0.2927



40.6011, 0.2318, 0.2463



40.6011, 0.4178, 0.3507



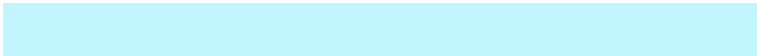
40.6011, 0.3963, 0.4130

Sweetspot

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



40.6026, 0.2179, 0.2927



84.4193, 0.2750, 0.3196



47.2699, 0.2951, 0.5631



17.6686, 0.2701, 0.3181



0.0000, 0.0000, 0.0000



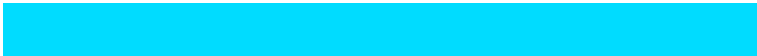
21.4041, 0.3127, 0.3290

Same Dimension

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



40.6026, 0.2179, 0.2927



58.4986, 0.2123, 0.2843



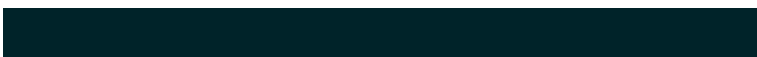
14.1015, 0.1796, 0.1491



13.1202, 0.2983, 0.3257



23.1858, 0.2126, 0.2855



1.3742, 0.2151, 0.2942

Inverse Universe

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



18.6476, 0.3512, 0.1797



26.4366, 0.3595, 0.1754



34.6913, 0.4779, 0.4417



11.9801, 0.3158, 0.3092



10.4119, 0.3584, 0.1748



0.5900, 0.3505, 0.1705

Previews

White Background



This preview shows how the Yxy color 40.6011, 0.2179, 0.2927 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 40.6011, 0.2179, 0.2927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

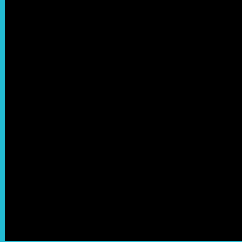
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6011, 0.2179, 0.2927

Background



This preview shows how black text looks on a background with the Yxy color 40.6011, 0.2179, 0.2927.



This preview shows how white text looks on a background with the Yxy color 40.6011, 0.2179, 0.2927.

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

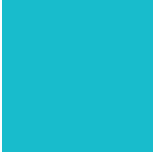
40.6011, 0.2179, 0.2927

Protanopia

39.9750, 0.2852, 0.2885

Deuteranopia

39.9117, 0.2704, 0.2637



Tritanopia

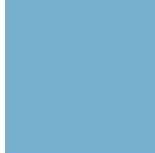
40.5203, 0.2197, 0.3042

Trichromacy



Original Color

40.6011, 0.2179, 0.2927



Protanomaly

38.7536, 0.2488, 0.2883



Deuteranomaly

38.8401, 0.2417, 0.2723



Tritanomaly

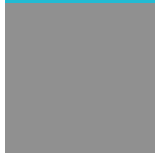
40.7183, 0.2189, 0.2999

Monochromacy



Original Color

40.6011, 0.2179, 0.2927



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.9118, 0.2588, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6011, 0.2179, 0.2927 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(35, 187, 211)` looks like.

```
.text, #text, p{  
  color:rgb(35, 187, 211)  
}
```

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(35, 187, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 187, 211) }
```

Border

The CSS property to change the border of an element to Yxy 40.6011, 0.2179, 0.2927 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(35, 187, 211) }
```

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

```
.border{ border-color:rgb(35, 187, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 187, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 187, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 187, 211); box-shadow:4px 4px 4px 4px rgb(35, 187, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6011, 0.2179, 0.2927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 187, 211) }
```

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

```
.background{ background-color: rgb(35, 187,  
211) }
```

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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