

Converting Colors

$Y_{xy}(40.2820, 0.2109, 0.2684)$

Have a look what the booklet for
Yxy(40.2820, 0.2109, 0.2684)
contains.

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Color

Yxy(40.1293, 0.2108, 0.2680)

Conversions

Conversions Part 1

Format	Color
Hex	23B8E2
RGB	35, 184, 226
RGB Percent	14%, 72%, 89%
CMY	0.8624, 0.2784, 0.1137
CMYK	0.84, 0.19, 0.00, 0.11
HSL	193°, 77%, 51%
HSV	193°, 84%, 89%
XYZ	31.5644, 40.1293, 78.0425
YIQ	144.2370, -102.2860, -18.5260

Conversions

Conversions Part 2

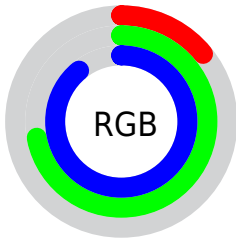
Format	Color
R _Y B	35, 119, 226
Decimal	2341090
CIE Lab	69.56, -22.55, -31.47
CIE LCh	70, 38.712, 234.374
Yxy	40.1293, 0.2108, 0.2680
Android (android.graphics.Color)	4280531170 (0xFF23B8E2)
YUV	144.2370, 40.3092, -95.8008
Hunter-Lab	63.3477, -21.9169, -28.7002

Details

The Yxy color **40.1293, 0.2108, 0.2680** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **21.6166, 0.5731, 0.3608**, and the grayscale version is **27.8680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.2532, 0.2396, 0.3111**, and **19.1729, 0.2034, 0.2521** is the 20% darker color. If you saturate the color by 10%, you get **37.8231, 0.2063, 0.2599**, and if you desaturate by 10%, it is **42.7652, 0.2173, 0.2762**.

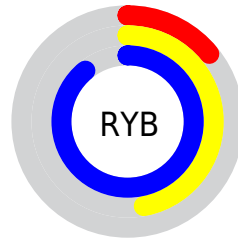
Distribution



Red (14%)

Green (72%)

Blue (89%)



Red (14%)

Yellow (47%)

Blue (89%)

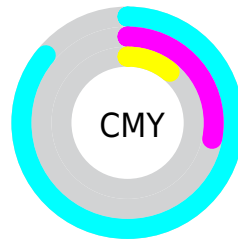


Cyan (84%)

Magenta (19%)

Yellow (0%)

Black (11%)



Cyan (86%)


Magenta (28%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1293, 0.2108, 0.2680 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 40.1293, 0.2108, 0.2680 by changing the saturation by 10% instead.


 40.1293, 0.2108,
0.2680


 40.1293, 0.2108,
0.2680


346.6682, 0.2604,
0.3000

 27.6394, 0.1991,
0.2597


 75.3604, 0.2284,
0.2799


 18.0540, 0.1844,
0.2490

 98.8703, 0.2351,
0.2843

 10.9888, 0.1659,
0.2348


 126.8223, 0.2409,
0.2880

 6.0593, 0.1417,
0.2150

 159.6009, 0.2459,
0.2911

 2.8812, 0.1100,
0.1865

 197.5904, 0.2502,
0.2938

 1.0700, 0.0616,
0.1448

241.1752, 0.2540,

 0.0000, 0.0000,

0.2962

0.0000

290.7397, 0.2574,
0.2982

■ 40.1293, 0.2108,
0.2680

■ 40.1293, 0.2108,
0.2680

■ 37.8231, 0.2063,
0.2599

■ 42.7652, 0.2173,
0.2762

■ 36.6497, 0.2043,
0.2555

■ 45.7697, 0.2257,
0.2843

■ 49.1793, 0.2360,
0.2923

■ 53.0248, 0.2480,
0.3000

■ 57.3334, 0.2613,
0.3074

■ 62.1297, 0.2755,
0.3143

■ 67.4365, 0.2905,
0.3207

■ 73.2751, 0.3058,
0.3266

■ 79.6652, 0.3212,
0.3319

Harmonies

Analogous

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



40.1293, 0.2207, 0.3139



40.1293, 0.2108, 0.2680



40.1293, 0.2244, 0.2436

Triad

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



40.1293, 0.2108, 0.2680



40.1293, 0.3706, 0.2894



40.1293, 0.3600, 0.4325

Complementary

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



40.1293, 0.2108, 0.2680



21.6166, 0.5731, 0.3608

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.



40.1293, 0.4051, 0.4133



40.1293, 0.2108, 0.2680



40.1293, 0.4136, 0.3309

Square

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



40.1293, 0.2108, 0.2680



40.1293, 0.3129, 0.2575



40.1293, 0.4260, 0.3751



40.1293, 0.3044, 0.4185

Rectangle

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



40.1293, 0.2108, 0.2680



40.1293, 0.2459, 0.2395



40.1293, 0.4260, 0.3751



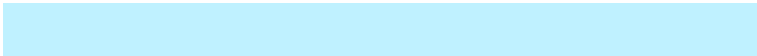
40.1293, 0.3769, 0.4292

Sweetspot

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



40.1307, 0.2108, 0.2680



81.2217, 0.2745, 0.3138



55.2873, 0.2905, 0.5498



16.8948, 0.2694, 0.3114



0.0000, 0.0000, 0.0000



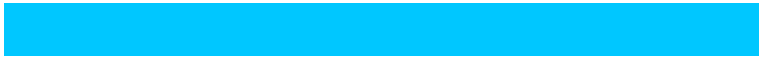
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1307, 0.2108, 0.2680



48.0119, 0.2042, 0.2550



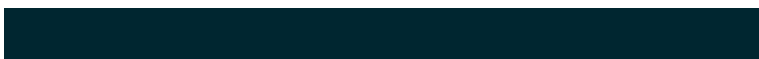
13.0273, 0.1723, 0.1246



15.0337, 0.2982, 0.3237



21.0887, 0.2047, 0.2568



1.5898, 0.2081, 0.2692

Inverse Universe

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



20.8394, 0.3738, 0.1917



25.3780, 0.3873, 0.1907



45.7677, 0.4633, 0.4569



13.8813, 0.3171, 0.3109



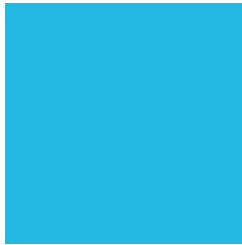
11.0370, 0.3856, 0.1898



0.7779, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 40.1293, 0.2108, 0.2680 looks on a white background.

Color Contrast Check

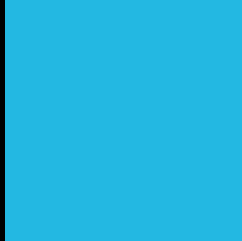
Large Text (above 18pt) WCAG AA × Fail

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 40.1293, 0.2108, 0.2680 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 40.1293, 0.2108, 0.2680

Background



This preview shows how black text looks on a background with the Yxy color 40.1293, 0.2108, 0.2680.



This preview shows how white text looks on a background with the Yxy color 40.1293, 0.2108, 0.2680.

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

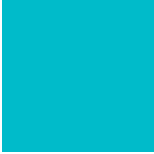
40.1293, 0.2108, 0.2680

Protanopia

39.6096, 0.2688, 0.2679

Deuteranopia

39.4696, 0.2526, 0.2462



Tritanopia

39.8049, 0.2182, 0.3055

Trichromacy



Original Color

40.1293, 0.2108, 0.2680

Protanomaly

38.4598, 0.2376, 0.2656

Deuteranomaly

38.7324, 0.2294, 0.2519

Tritanomaly

39.9065, 0.2149, 0.2909

Monochromacy



Original Color

40.1293, 0.2108, 0.2680

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

30.7953, 0.2545, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1293, 0.2108, 0.2680 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, 184, 226)` looks like.

```
.text, #text, p{  
    color:rgb(35, 184, 226)  
}
```

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, 184, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 184, 226) }
```

Border

The CSS property to change the border of an element to Yxy 40.1293, 0.2108, 0.2680 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, 184, 226) }
```

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

```
.border{ border-color:rgb(35, 184, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 184, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 184, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 184, 226);  
box-shadow:4px 4px 4px 4px rgb(35, 184,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1293, 0.2108, 0.2680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 184, 226) }
```

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

```
.background{ background-color: rgb(35, 184,  
226) }
```

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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