

Converting Colors

$Y_{xy}(40.2184, 0.2104, 0.2685)$

Have a look what the booklet for
Yxy(40.2184, 0.2104, 0.2685)
contains.

Yxy(40.0633, 0.2102, 0.2679)	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(40.0633, 0.2102, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	1FB8E2
RGB	31, 184, 226
RGB Percent	12%, 72%, 89%
CMY	0.8786, 0.2784, 0.1136
CMYK	0.86, 0.19, 0.00, 0.11
HSL	193°, 77%, 50%
HSV	193°, 86%, 89%
XYZ	31.4345, 40.0633, 78.0479
YIQ	143.0410, -104.6700, -19.3740

Conversions

Conversions Part 2

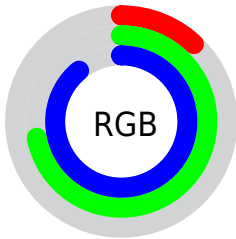
Format	Color
R _{YB}	31, 117, 226
Decimal	2078946
CIE Lab	69.51, -22.82, -31.55
CIE LCh	70, 38.941, 234.120
Yxy	40.0633, 0.2102, 0.2679
Android (android.graphics.Color)	4280269026 (0xFF1FB8E2)
YUV	143.0410, 40.8988, -98.2600
Hunter-Lab	63.2956, -22.1187, -28.8019

Details

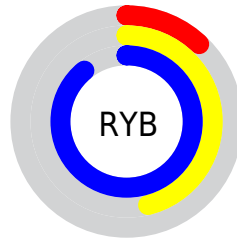
The Yxy color **40.0633, 0.2102, 0.2679** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **21.0345, 0.5803, 0.3590**, and the grayscale version is **27.3459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.1176, 0.2389, 0.3111**, and **19.1729, 0.2034, 0.2521** is the 20% darker color. If you saturate the color by 10%, you get **37.8395, 0.2060, 0.2600**, and if you desaturate by 10%, it is **42.6043, 0.2163, 0.2759**.

Distribution



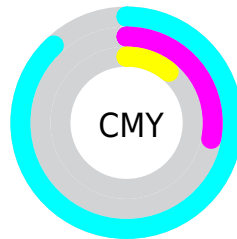
- Red (12%)
- Green (72%)
- Blue (89%)



- Red (12%)
- Yellow (46%)
- Blue (89%)



- Cyan (86%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)




- Cyan (88%)
- Magenta (28%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0633, 0.2102, 0.2679 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 40.0633, 0.2102, 0.2679 by changing the saturation by 10% instead.


 40.0633, 0.2102,
0.2679


 40.0633, 0.2102,
0.2679


346.3903, 0.2601,
0.3000


 27.5879, 0.1984,
0.2596


 75.2599, 0.2279,
0.2798

 18.0152, 0.1837,
0.2489


 98.7499, 0.2347,
0.2842

 10.9609, 0.1650,
0.2346


 126.6802, 0.2405,
0.2879

 6.0406, 0.1408,
0.2147

 159.4352, 0.2455,
0.2911

 2.8698, 0.1090,
0.1861

 197.3993, 0.2498,
0.2938

 1.0641, 0.0602,
0.1443

240.9570, 0.2537,

 0.0000, 0.0000,

0.2961

0.0000

290.4925, 0.2571,
0.2982

■ 40.0633, 0.2102,
0.2679

■ 40.0633, 0.2102,
0.2679

■ 37.8395, 0.2060,
0.2600

■ 42.6043, 0.2163,
0.2759

■ 37.0686, 0.2048,
0.2571

■ 45.5038, 0.2243,
0.2838

■ 48.7995, 0.2342,
0.2917

■ 52.5227, 0.2458,
0.2993

■ 56.7012, 0.2588,
0.3066

■ 61.3600, 0.2729,
0.3134

■ 66.5222, 0.2877,
0.3198

■ 72.2093, 0.3030,
0.3256

■ 78.4412, 0.3184,
0.3309

Harmonies

Analogous

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



40.0633, 0.2204, 0.3143



40.0633, 0.2102, 0.2679



40.0633, 0.2237, 0.2432

Triad

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



40.0633, 0.2102, 0.2679



40.0633, 0.3705, 0.2888



40.0633, 0.3607, 0.4332

Complementary

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



40.0633, 0.2102, 0.2679



21.0345, 0.5803, 0.3590

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.



40.0633, 0.4060, 0.4136



40.0633, 0.2102, 0.2679



40.0633, 0.4140, 0.3305

Square

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



40.0633, 0.2102, 0.2679



40.0633, 0.3124, 0.2569



40.0633, 0.4268, 0.3750



40.0633, 0.3048, 0.4194

Rectangle

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



40.0633, 0.2102, 0.2679



40.0633, 0.2452, 0.2390



40.0633, 0.4268, 0.3750



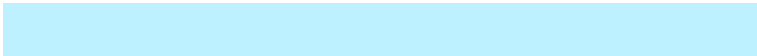
40.0633, 0.3777, 0.4297

Sweetspot

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



40.0647, 0.2102, 0.2679



80.7432, 0.2731, 0.3135



55.1409, 0.2919, 0.5574



16.8089, 0.2681, 0.3112



0.0000, 0.0000, 0.0000



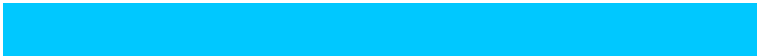
21.4041, 0.3127, 0.3290

Same Dimension

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



40.0647, 0.2102, 0.2679



48.5575, 0.2046, 0.2566



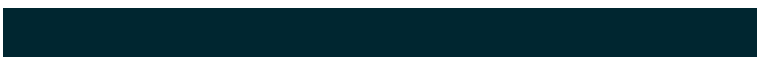
13.0072, 0.1714, 0.1245



15.0449, 0.2982, 0.3238



21.3219, 0.2051, 0.2584



1.6041, 0.2085, 0.2705

Inverse Universe

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



20.6117, 0.3740, 0.1903



25.4331, 0.3857, 0.1898



44.0953, 0.4692, 0.4544



13.8824, 0.3171, 0.3108



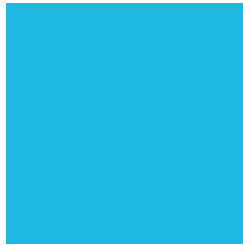
11.0605, 0.3840, 0.1889



0.7794, 0.3723, 0.1825

Previews

White Background



This preview shows how the Yxy color 40.0633, 0.2102, 0.2679 looks on a white background.

Color Contrast Check

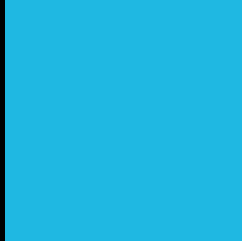
Large Text (above 18pt) WCAG AA × Fail

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 40.0633, 0.2102, 0.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

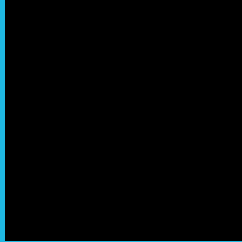
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.0633, 0.2102, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 40.0633, 0.2102, 0.2679.



This preview shows how white text looks on a background with the Yxy color 40.0633, 0.2102, 0.2679.

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

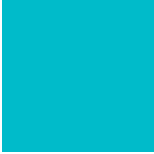
40.0633, 0.2102, 0.2679

Protanopia

39.6096, 0.2688, 0.2679

Deuteranopia

39.4696, 0.2526, 0.2462



Tritanopia

39.8049, 0.2182, 0.3055

Trichromacy



Original Color

40.0633, 0.2102, 0.2679



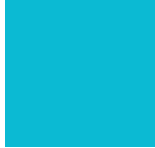
Protanomaly

38.3286, 0.2365, 0.2654



Deuteranomaly

38.6701, 0.2289, 0.2518



Tritanomaly

39.8921, 0.2148, 0.2909

Monochromacy



Original Color

40.0633, 0.2102, 0.2679



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.2956, 0.2535, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0633, 0.2102, 0.2679 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(31, 184, 226)` looks like.

```
.text, #text, p{  
    color:rgb(31, 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(31, 184, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 184, 226) }
```

Border

The CSS property to change the border of an element to Yxy 40.0633, 0.2102, 0.2679 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(31, 184, 226) }
```

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

```
.border{ border-color:rgb(31, 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(31, 184, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 184, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 184, 226);  
box-shadow:4px 4px 4px 4px rgb(31, 184,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0633, 0.2102, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 184, 226) }
```

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

```
.background{ background-color: rgb(31, 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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