

Converting Colors

$Y_{xy}(46.1961, 0.2121, 0.2672)$

Have a look what the booklet for
Yxy(46.1961, 0.2121, 0.2672)
contains.

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Color

Yxy(46.0095, 0.2119, 0.2663)

Conversions

Conversions Part 1

Format	Color
Hex	30C3F1
RGB	48, 195, 241
RGB Percent	19%, 76%, 95%
CMY	0.8115, 0.2353, 0.0550
CMYK	0.80, 0.19, 0.00, 0.05
HSL	194°, 87%, 57%
HSV	194°, 80%, 95%
XYZ	36.6106, 46.0095, 90.1530
YIQ	156.2910, -102.3780, -16.8580

Conversions

Conversions Part 2

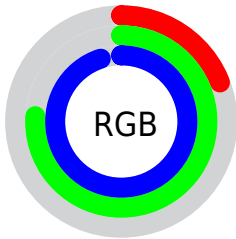
Format	Color
R _Y B	48, 131, 241
Decimal	3195889
CIE Lab	73.55, -22.20, -33.40
CIE LCh	74, 40.109, 236.391
Yxy	46.0095, 0.2119, 0.2663
Android (android.graphics.Color)	4281385969 (0xFF30C3F1)
YUV	156.2910, 41.7615, -94.9712
Hunter-Lab	67.8303, -22.3597, -31.3209

Details

The Yxy color **46.0095, 0.2119, 0.2663** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **26.9259, 0.5546, 0.3659**, and the grayscale version is **33.2366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2008, 0.2457, 0.3254**, and **22.5525, 0.2029, 0.2502** is the 20% darker color. If you saturate the color by 10%, you get **43.0502, 0.2063, 0.2574**, and if you desaturate by 10%, it is **49.3889, 0.2195, 0.2752**.

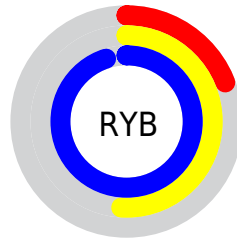
Distribution



Red (19%)

Green (76%)

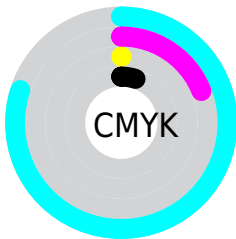
Blue (95%)



Red (19%)

Yellow (51%)

Blue (95%)

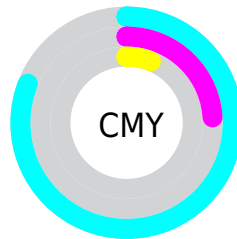


Cyan (80%)

Magenta (19%)

Yellow (0%)

Black (5%)



Cyan (81%)


Magenta (24%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0095, 0.2119, 0.2663 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 46.0095, 0.2119, 0.2663 by changing the saturation by 10% instead.


 46.0095, 0.2119,
0.2663

 46.0095, 0.2119,
0.2663


370.8468, 0.2599,
0.2984


 32.2533, 0.2008,
0.2583


 84.2332, 0.2287,
0.2780


 21.5551, 0.1872,
0.2481


 109.4695, 0.2352,
0.2824


 13.5303, 0.1701,
0.2348


 139.3014, 0.2407,
0.2861

 7.7947, 0.1482,
0.2167

 174.1131, 0.2456,
0.2892

 3.9639, 0.1197,
0.1913

 214.2891, 0.2498,
0.2920

 1.6534, 0.0826,
0.1544

260.2138, 0.2536,

 0.3932, 0.0000,

0.2944

0.0872

312.2716, 0.2569,
0.2965

■ 0.0000, 0.0000,
0.0000

■ 46.0095, 0.2119,
0.2663

■ 46.0095, 0.2119,
0.2663

■ 43.0502, 0.2063,
0.2574

■ 49.3889, 0.2195,
0.2752

■ 40.4415, 0.2024,
0.2487

■ 53.2298, 0.2291,
0.2841

■ 57.5727, 0.2404,
0.2927

■ 62.4517, 0.2532,
0.3010

■ 67.8975, 0.2671,
0.3089

■ 73.9383, 0.2819,
0.3162

■ 80.6000, 0.2972,
0.3229

■ 87.9069, 0.3126,
0.3290

■ 93.9442, 0.3215,
0.3346

Harmonies

Analogous

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



46.0095, 0.2202, 0.3105



46.0095, 0.2119, 0.2663



46.0095, 0.2270, 0.2435

Triad

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



46.0095, 0.2119, 0.2663



46.0095, 0.3735, 0.2923



46.0095, 0.3560, 0.4317

Complementary

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



46.0095, 0.2119, 0.2663



26.9259, 0.5546, 0.3659

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.



46.0095, 0.4019, 0.4146



46.0095, 0.2119, 0.2663



46.0095, 0.4145, 0.3339

Square

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



46.0095, 0.2119, 0.2663



46.0095, 0.3168, 0.2598



46.0095, 0.4245, 0.3776



46.0095, 0.3009, 0.4153

Rectangle

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



46.0095, 0.2119, 0.2663



46.0095, 0.2492, 0.2404



46.0095, 0.4245, 0.3776



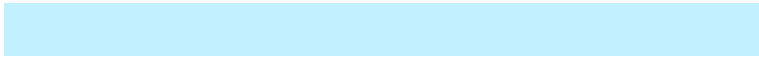
46.0095, 0.3731, 0.4292

Sweetspot

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



46.0111, 0.2119, 0.2663



81.2268, 0.2759, 0.3133



64.3204, 0.2889, 0.5363



16.8648, 0.2706, 0.3107



0.0000, 0.0000, 0.0000



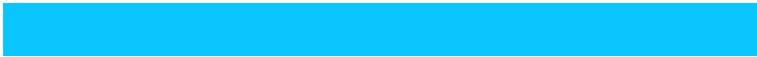
21.4041, 0.3127, 0.3290

Same Dimension

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



46.0111, 0.2119, 0.2663



47.0614, 0.2038, 0.2519



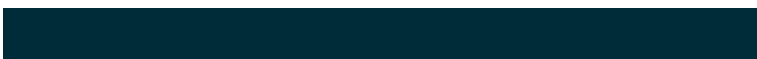
16.0017, 0.1760, 0.1303



17.2532, 0.2981, 0.3232



22.1536, 0.2028, 0.2501



1.9946, 0.2060, 0.2617

Inverse Universe

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



24.7574, 0.3749, 0.1967



25.4968, 0.3902, 0.1936



55.5383, 0.4545, 0.4580



15.9632, 0.3174, 0.3112



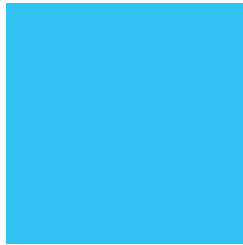
12.0298, 0.3921, 0.1934



1.0161, 0.3807, 0.1871

Previews

White Background



This preview shows how the Yxy color 46.0095, 0.2119, 0.2663 looks on a white background.

Color Contrast Check

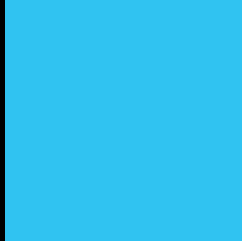
Large Text (above 18pt) WCAG AA × Fail

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 46.0095, 0.2119, 0.2663 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

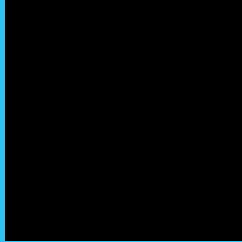
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0095, 0.2119, 0.2663

Background



This preview shows how black text looks on a background with the Yxy color 46.0095, 0.2119, 0.2663.



This preview shows how white text looks on a background with the Yxy color 46.0095, 0.2119, 0.2663.

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

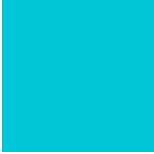
46.0095, 0.2119, 0.2663

Protanopia

45.1527, 0.2669, 0.2651

Deuteranopia

45.4078, 0.2519, 0.2460



Tritanopia

45.7531, 0.2182, 0.3053

Trichromacy



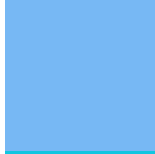
Original Color

46.0095, 0.2119, 0.2663



Protanomaly

44.3751, 0.2383, 0.2642



Deuteranomaly

44.7346, 0.2309, 0.2515



Tritanomaly

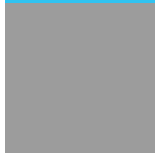
45.8892, 0.2153, 0.2916

Monochromacy



Original Color

46.0095, 0.2119, 0.2663



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

36.1192, 0.2575, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0095, 0.2119, 0.2663 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(48, 195, 241)` looks like.

```
.text, #text, p{  
    color:rgb(48, 195, 241)  
}
```

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(48, 195, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 195, 241) }
```

Border

The CSS property to change the border of an element to Yxy 46.0095, 0.2119, 0.2663 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(48, 195, 241) }
```

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

```
.border{ border-color:rgb(48, 195, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 195, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 195, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 195, 241);  
box-shadow:4px 4px 4px 4px rgb(48, 195,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0095, 0.2119, 0.2663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 195, 241) }
```

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

```
.background{ background-color: rgb(48, 195,  
241) }
```

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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