

Converting Colors

$Yxy(88.0774, 0.2734, 0.3358)$

Have a look what the booklet for
Yxy(88.0774, 0.2734, 0.3358)
contains.

Yxy(88.0629, 0.2730, 0.3354)	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(88.0629, 0.2730, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	B4FFF9
RGB	180, 255, 249
RGB Percent	71%, 100%, 98%
CMY	0.2941, 0.0000, 0.0236
CMYK	0.29, 0.00, 0.02, 0.00
HSL	175°, 100%, 85%
HSV	175°, 29%, 100%
XYZ	71.6791, 88.0629, 102.8188
YIQ	231.8910, -42.7740, -17.7660

Conversions

Conversions Part 2

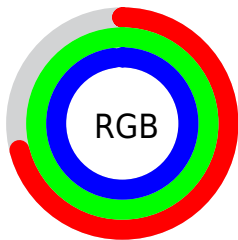
Format	Color
R_{YB}	180, 219, 255
Decimal	11862009
CIE _{Lab}	95.19, -24.14, -4.51
CIE _{LCh}	95, 24.559, 190.590
Yxy	88.0629, 0.2730, 0.3354
Android (android.graphics.Color)	4290052089 (0xFFB4FFF9)
YUV	231.8910, 8.4347, -45.5084
Hunter-Lab	93.8418, -27.8798, 0.7276

Details

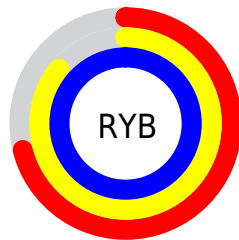
The Yxy color **88.0629, 0.2730, 0.3354** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **57.4539, 0.3733, 0.3229**, and the grayscale version is **80.5697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9171, 0.3023, 0.3290**, and **48.5235, 0.2640, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **85.1510, 0.2617, 0.3379**, and if you desaturate by 10%, it is **91.5384, 0.2856, 0.3330**.

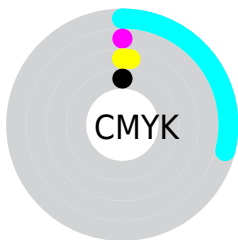
Distribution



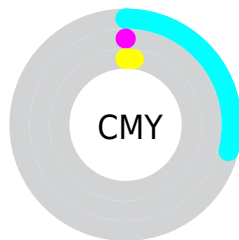
- Red (71%)
- Green (100%)
- Blue (98%)



- Red (71%)
- Yellow (86%)
- Blue (100%)



- Cyan (29%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (29%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.0629, 0.2730, 0.3354 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 88.0629, 0.2730, 0.3354 by changing the saturation by 10% instead.

 88.0629, 0.2730,
0.3354

 88.0629, 0.2730,
0.3354


521.7092, 0.2906,
0.3328

 66.3752, 0.2692,
0.3359


 144.6447, 0.2790,
0.3345

 48.5770, 0.2645,
0.3366


180.3076, 0.2813,
0.3342

 34.2841, 0.2587,
0.3373

221.3976, 0.2834,
0.3339

 23.1119, 0.2514,
0.3382

268.2992, 0.2852,
0.3336

 14.6762, 0.2418,
0.3393

321.3968, 0.2868,
0.3334

 8.5924, 0.2287,
0.3406

381.0747, 0.2882,

 4.4763, 0.2097,

0.3331

0.3421

447.7174, 0.2894,
0.3329

1.9434, 0.1803,
0.3435

0.5743, 0.0000,
0.3790

88.0629, 0.2730,
0.3354

88.0629, 0.2730,
0.3354

85.1510, 0.2617,
0.3379

91.5384, 0.2856,
0.3330


82.7729, 0.2521,
0.3405


95.6073, 0.2992,
0.3309

80.8943, 0.2442,
0.3432


100.0000, 0.3127,
0.3290

79.4776, 0.2383,
0.3460

 78.4795, 0.2344,
0.3487

 77.8486, 0.2323,
0.3515

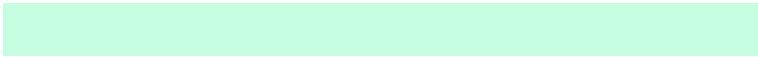
 77.5063, 0.2318,
0.3542

 77.4896, 0.2318,
0.3543

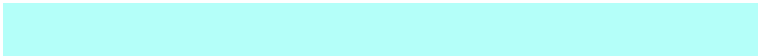
Harmonies

Analogous

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



88.0629, 0.2952, 0.3604



88.0629, 0.2730, 0.3354



88.0629, 0.2614, 0.3098

Triad

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



88.0629, 0.2730, 0.3354



88.0629, 0.3007, 0.2868



88.0629, 0.3649, 0.3650

Complementary

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



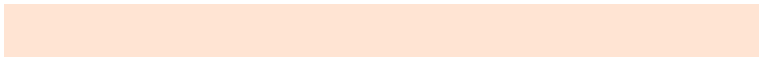
88.0629, 0.2730, 0.3354



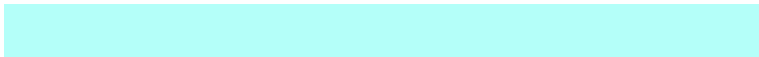
57.4539, 0.3733, 0.3229

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.



88.0629, 0.3670, 0.3443



88.0629, 0.2730, 0.3354



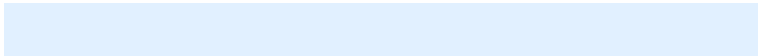
88.0629, 0.3289, 0.3004

Square

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



88.0629, 0.2730, 0.3354



88.0629, 0.2768, 0.2831



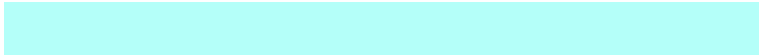
88.0629, 0.3536, 0.3210



88.0629, 0.3485, 0.3772

Rectangle

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



88.0629, 0.2730, 0.3354



88.0629, 0.2608, 0.2962



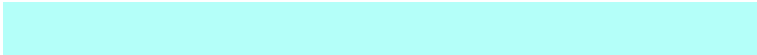
88.0629, 0.3536, 0.3210



88.0629, 0.3674, 0.3587

Sweetspot

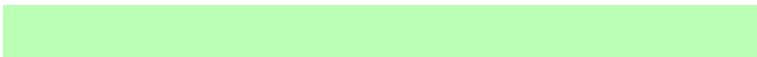
The Sweet Spot groups the original color and five complimentary colors.



88.0625, 0.2730, 0.3354



95.7859, 0.2998, 0.3308



85.2875, 0.3124, 0.4143



20.3665, 0.2978, 0.3311



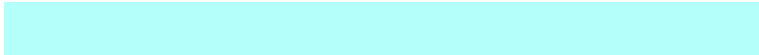
0.0000, 0.0000, 0.0000



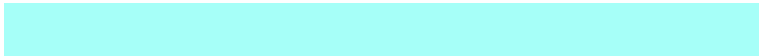
21.4041, 0.3127, 0.3290

Same Dimension

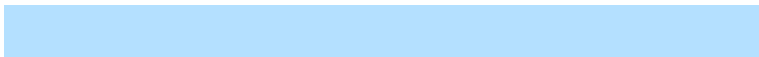
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.0625, 0.2730, 0.3354



86.3665, 0.2665, 0.3368



70.1042, 0.2663, 0.2941



20.4548, 0.2991, 0.3309



40.5005, 0.2316, 0.3539



3.9506, 0.2308, 0.3508

Inverse Universe

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



57.4539, 0.3733, 0.3229



51.4558, 0.3899, 0.3217



71.2719, 0.3693, 0.3614



18.0108, 0.3282, 0.3271



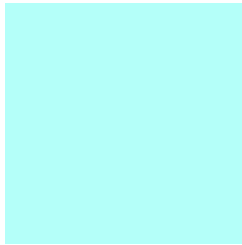
11.1444, 0.6316, 0.3253



1.0929, 0.6136, 0.3154

Previews

White Background



This preview shows how the Yxy color 88.0629, 0.2730, 0.3354 looks on a white background.

Color Contrast Check

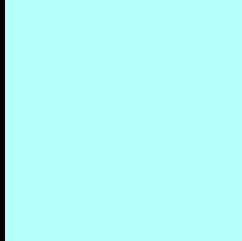
Large Text (above 18pt) WCAG AA × Fail

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 88.0629, 0.2730, 0.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

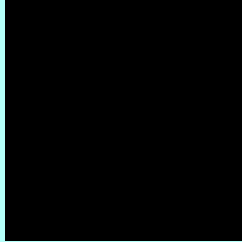
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

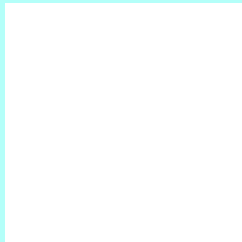
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.0629, 0.2730, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 88.0629, 0.2730, 0.3354.

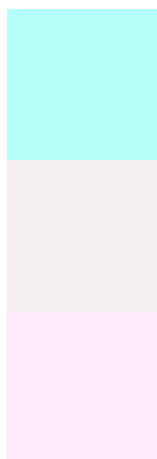


This preview shows how white text looks on a background with the Yxy color 88.0629, 0.2730, 0.3354.

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

88.0629, 0.2730, 0.3354

Protanopia

87.2574, 0.3154, 0.3280

Deuteranopia

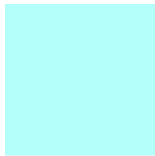
87.1339, 0.3155, 0.3116



Tritanopia

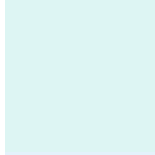
87.4302, 0.2902, 0.3187

Trichromacy



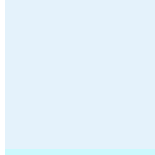
Original Color

88.0629, 0.2730, 0.3354



Protanomaly

87.1480, 0.2987, 0.3310



Deuteranomaly

86.9633, 0.2985, 0.3198



Tritanomaly

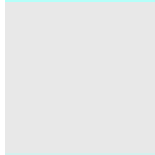
87.6806, 0.2834, 0.3247

Monochromacy



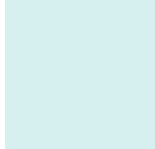
Original Color

88.0629, 0.2730, 0.3354



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

82.6394, 0.2966, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.0629, 0.2730, 0.3354 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(180, 255, 249)` looks like.

```
.text, #text, p{  
    color:rgb(180, 255, 249)  
}
```

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(180, 255, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 255, 249) }
```

Border

The CSS property to change the border of an element to Yxy 88.0629, 0.2730, 0.3354 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(180, 255, 249) }
```

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

```
.border{ border-color:rgb(180, 255, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 255, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 255, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 255, 249);  
box-shadow:4px 4px 4px 4px rgb(180, 255,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0629, 0.2730, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 255, 249) }
```

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

```
.background{ background-color: rgb(180,  
255, 249) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor