

Converting Colors

$Yxy(79.8972, 0.2720, 0.3123)$

Have a look what the booklet for
Yxy(79.8972, 0.2720, 0.3123)
contains.

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Color

Yxy(80.1050, 0.2721, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	BBF0FF
RGB	187, 240, 255
RGB Percent	73%, 94%, 100%
CMY	0.2665, 0.0588, 0.0001
CMYK	0.27, 0.06, 0.00, 0.00
HSL	193°, 100%, 87%
HSV	193°, 27%, 100%
XYZ	69.7044, 80.1050, 106.3626
YIQ	225.8630, -36.4030, -6.5710

Conversions

Conversions Part 2

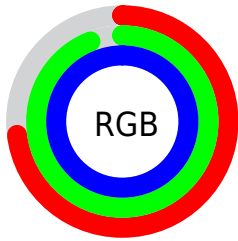
Format	Color
R_{YB}	187, 217, 255
Decimal	12316927
CIE _{Lab}	91.73, -13.46, -12.70
CIE _{LCh}	92, 18.509, 223.326
Yxy	80.1050, 0.2721, 0.3127
Android (android.graphics.Color)	4290507007 (0xFFBBF0FF)
YUV	225.8630, 14.3645, -34.0829
Hunter-Lab	89.5014, -17.6102, -7.8087

Details

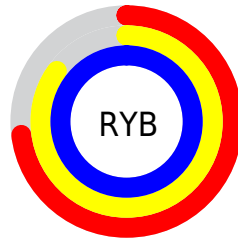
The Yxy color **80.1050, 0.2721, 0.3127** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.0813, 0.3664, 0.3447**, and the grayscale version is **75.8683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.9731, 0.3060, 0.3290**, and **43.2637, 0.2633, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **73.9169, 0.2579, 0.3056**, and if you desaturate by 10%, it is **86.9728, 0.2870, 0.3193**.

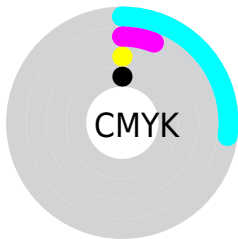
Distribution



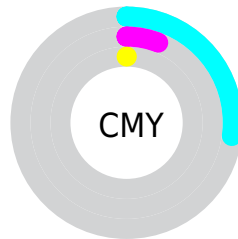
- Red (73%)
- Green (94%)
- Blue (100%)



- Red (73%)
- Yellow (85%)
- Blue (100%)



- Cyan (27%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1050, 0.2721, 0.3127 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 80.1050, 0.2721, 0.3127 by changing the saturation by 10% instead.


 80.1050, 0.2721,
0.3127

 80.1050, 0.2721,
0.3127

495.2866, 0.2903,
0.3204

 59.8048, 0.2681,
0.3109


 133.5133, 0.2783,
0.3154

 43.2613, 0.2632,
0.3087


167.3902, 0.2808,
0.3164

 30.0902, 0.2571,
0.3059


206.5615, 0.2829,
0.3173

 19.9070, 0.2493,
0.3022


251.4115, 0.2847,
0.3181

 12.3275, 0.2390,
0.2971

302.3246, 0.2864,
0.3188

 6.9671, 0.2248,
0.2898

359.6852, 0.2878,

 3.4415, 0.2041,

0.3194

0.2784

423.8778, 0.2891,
0.3199

1.3664, 0.1715,
0.2583

0.1917, 0.0000,
0.1481

80.1050, 0.2721,
0.3127

80.1050, 0.2721,
0.3127

73.9169, 0.2579,
0.3056

86.9728, 0.2870,
0.3193

68.3676, 0.2449,
0.2981

94.5394, 0.3024,
0.3253

63.4266, 0.2332,
0.2902

99.9976, 0.3127,
0.3290

59.0562, 0.2233,
0.2821

■ 55.2141, 0.2153,
0.2739

■ 51.8507, 0.2094,
0.2657

■ 48.9040, 0.2053,
0.2576

■ 47.9767, 0.2042,
0.2549

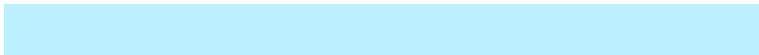
Harmonies

Analogous

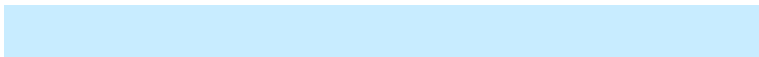
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1050, 0.2805, 0.3323



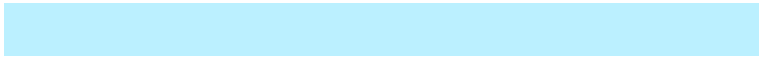
80.1050, 0.2721, 0.3127



80.1050, 0.2741, 0.2985

Triad

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



80.1050, 0.2721, 0.3127



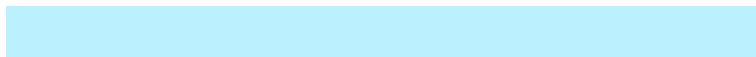
80.1050, 0.3274, 0.3078



80.1050, 0.3391, 0.3668

Complementary

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



80.1050, 0.2721, 0.3127



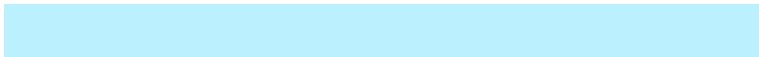
67.0813, 0.3664, 0.3447

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.



80.1050, 0.3526, 0.3585



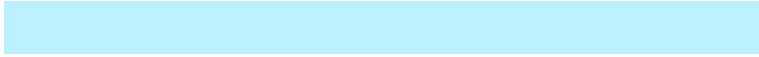
80.1050, 0.2721, 0.3127



80.1050, 0.3458, 0.3246

Square

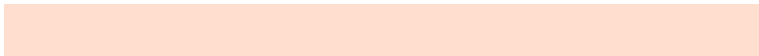
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.1050, 0.2721, 0.3127



80.1050, 0.3055, 0.2964



80.1050, 0.3551, 0.3429



80.1050, 0.3188, 0.3645

Rectangle

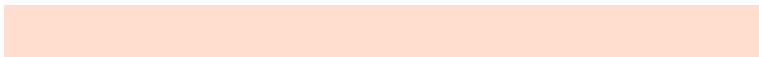
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



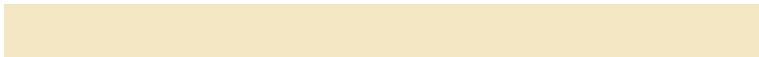
80.1050, 0.2721, 0.3127



80.1050, 0.2811, 0.2937



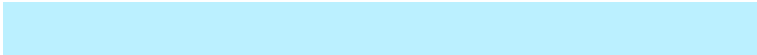
80.1050, 0.3551, 0.3429



80.1050, 0.3446, 0.3651

Sweetspot

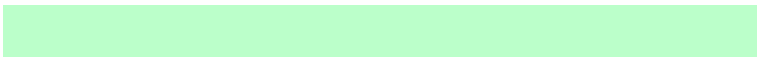
The Sweet Spot groups the original color and five complimentary colors.



80.1082, 0.2721, 0.3127



93.5009, 0.3003, 0.3245



86.3178, 0.3012, 0.3887



19.7626, 0.2980, 0.3236



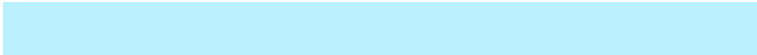
0.0000, 0.0000, 0.0000



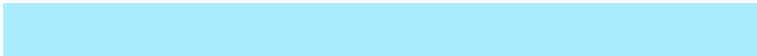
21.4041, 0.3127, 0.3290

Same Dimension

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



80.1082, 0.2721, 0.3127



76.7347, 0.2644, 0.3090



62.0651, 0.2684, 0.2745



19.7626, 0.2980, 0.3236



25.3083, 0.2045, 0.2563



2.6238, 0.2071, 0.2655

Inverse Universe

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



63.0999, 0.3270, 0.2761



57.4169, 0.3306, 0.2653



84.6700, 0.3577, 0.3781



18.2278, 0.3172, 0.3107



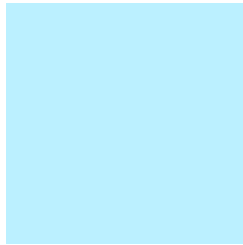
13.2829, 0.3861, 0.1900



1.3094, 0.3771, 0.1851

Previews

White Background



This preview shows how the Yxy color 80.1050, 0.2721, 0.3127 looks on a white background.

Color Contrast Check

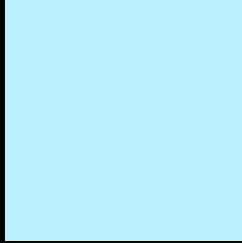
Large Text (above 18pt) WCAG AA × Fail

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 80.1050, 0.2721, 0.3127 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 80.1050, 0.2721, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 80.1050, 0.2721, 0.3127.

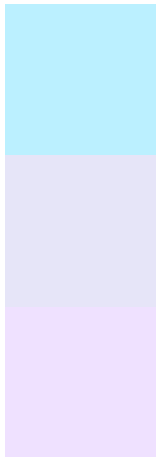


This preview shows how white text looks on a background with the Yxy color 80.1050, 0.2721, 0.3127.

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

80.1050, 0.2721, 0.3127

Protanopia

79.6389, 0.3015, 0.3095

Deuteranopia

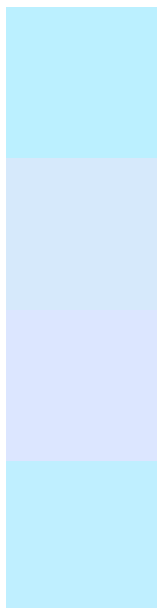
79.4211, 0.3033, 0.2989



Tritanopia

79.8384, 0.2758, 0.3107

Trichromacy



Original Color

80.1050, 0.2721, 0.3127

Protanomaly

79.5390, 0.2896, 0.3101

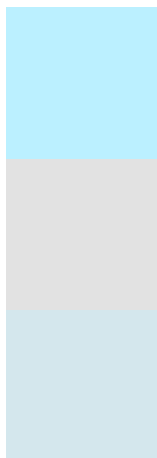
Deuteranomaly

79.0293, 0.2909, 0.3031

Tritanomaly

80.0294, 0.2742, 0.3117

Monochromacy



Original Color

80.1050, 0.2721, 0.3127

Achromatopsia

76.0525, 0.3127, 0.3290

Achromatomaly

77.2633, 0.2964, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1050, 0.2721, 0.3127 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(187, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(187, 240, 255)  
}
```

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(187, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.1050, 0.2721, 0.3127 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(187, 240, 255) }
```

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

```
.border{ border-color:rgb(187, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(187, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1050, 0.2721, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 240, 255) }
```

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

```
.background{ background-color: rgb(187,  
240, 255) }
```

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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