

Converting Colors

$Y_{xy}(79.7512, 0.2117, 0.2058)$

Have a look what the booklet for
Yxy(79.7512, 0.2117, 0.2058)
contains.

Yxy(70.2977, 0.2515, 0.3000)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.2977, 0.2515, 0.3000)

Conversions

Conversions Part 1

Format	Color
Hex	96E6FF
RGB	150, 230, 255
RGB Percent	59%, 90%, 100%
CMY	0.4116, 0.0981, 0.0000
CMYK	0.41, 0.10, 0.00, 0.00
HSL	194°, 100%, 79%
HSV	194°, 41%, 100%
XYZ	58.9329, 70.2977, 105.0951
YIQ	208.9300, -55.7050, -9.1850

Conversions

Conversions Part 2

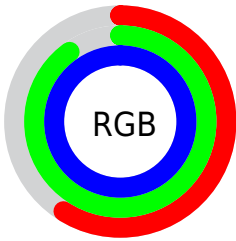
Format	Color
R_{YB}	150, 195, 255
Decimal	9889535
CIE _{Lab}	87.14, -18.22, -19.82
CIE _{LCh}	87, 26.923, 227.409
Yxy	70.2977, 0.2515, 0.3000
Android (android.graphics.Color)	4288079615 (0xFF96E6FF)
YUV	208.9300, 22.7125, -51.6816
Hunter-Lab	83.8437, -21.2607, -15.6273

Details

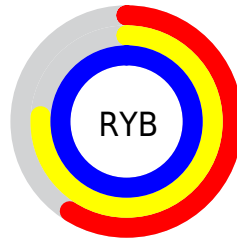
The Yxy color **70.2977, 0.2515, 0.3000** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.1402, 0.4077, 0.3555**, and the grayscale version is **63.5941, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1499, 0.2849, 0.3289**, and **36.6765, 0.2379, 0.2924** is the 20% darker color. If you saturate the color by 10%, you get **64.8136, 0.2388, 0.2917**, and if you desaturate by 10%, it is **76.4275, 0.2654, 0.3079**.

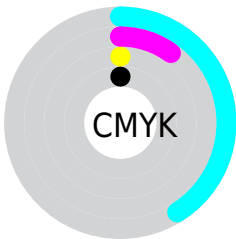
Distribution



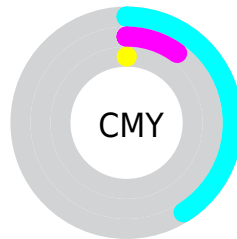
- Red (59%)
- Green (90%)
- Blue (100%)



- Red (59%)
- Yellow (76%)
- Blue (100%)



- Cyan (41%)
- Magenta (10%)
- Yellow (0%)
- Black (0%)




- Cyan (41%)
- Magenta (10%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2977, 0.2515, 0.3000 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 70.2977, 0.2515, 0.3000 by changing the saturation by 10% instead.

 70.2977, 0.2515,
0.3000

 70.2977, 0.2515,
0.3000


461.5946, 0.2793,
0.3140

 51.7693, 0.2453,
0.2967


 119.6332, 0.2610,
0.3050

 36.8212, 0.2377,
0.2925


 151.2091, 0.2648,
0.3069

 25.0691, 0.2283,
0.2872

187.9028, 0.2680,
0.3085

 16.1285, 0.2162,
0.2801

230.0990, 0.2708,
0.3099

 9.6152, 0.2003,
0.2702

278.1818, 0.2733,
0.3111

 5.1445, 0.1784,
0.2558

332.5358, 0.2755,

 2.3323, 0.1471,

0.3122

0.2330

393.5452, 0.2775,
0.3132

0.7907, 0.0768,
0.1978

0.0000, 0.0000,
0.0000

70.2977, 0.2515,
0.3000

70.2977, 0.2515,
0.3000

64.8136, 0.2388,
0.2917

76.4275, 0.2654,
0.3079

59.9373, 0.2277,
0.2830

83.2333, 0.2801,
0.3153

55.6297, 0.2184,
0.2741

90.7459, 0.2954,
0.3221

51.8453, 0.2110,
0.2651

98.9933, 0.3109,
0.3283

■ 48.5296, 0.2057,
0.2562

100.0000, 0.3127,
0.3290

■ 45.9153, 0.2024,
0.2484

Harmonies

Analogous

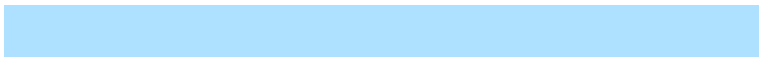
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



70.2977, 0.2616, 0.3291



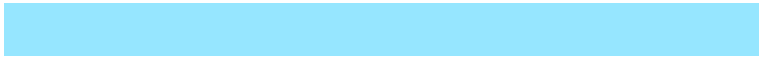
70.2977, 0.2515, 0.3000



70.2977, 0.2566, 0.2809

Triad

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



70.2977, 0.2515, 0.3000



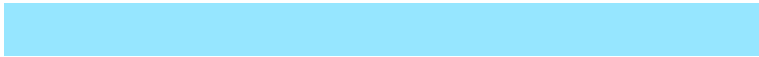
70.2977, 0.3391, 0.3004



70.2977, 0.3485, 0.3874

Complementary

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



70.2977, 0.2515, 0.3000



54.1402, 0.4077, 0.3555

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.



70.2977, 0.3713, 0.3756



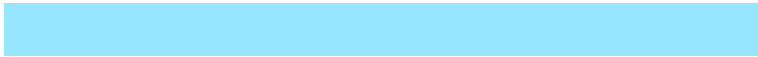
70.2977, 0.2515, 0.3000



70.2977, 0.3661, 0.3255

Square

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



70.2977, 0.2515, 0.3000



70.2977, 0.3058, 0.2823



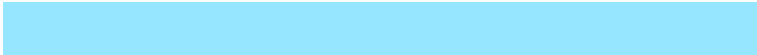
70.2977, 0.3781, 0.3526



70.2977, 0.3168, 0.3822

Rectangle

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



70.2977, 0.2515, 0.3000



70.2977, 0.2681, 0.2755



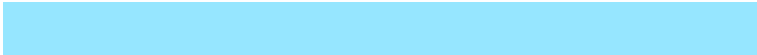
70.2977, 0.3781, 0.3526



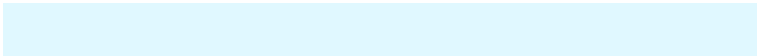
70.2977, 0.3575, 0.3851

Sweetspot

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



70.2984, 0.2515, 0.3000



90.0880, 0.2941, 0.3216



81.0844, 0.2947, 0.4265



19.0654, 0.2921, 0.3207



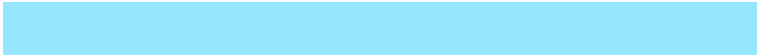
0.0000, 0.0000, 0.0000



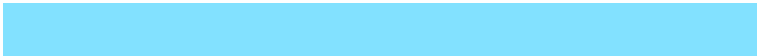
21.4041, 0.3127, 0.3290

Same Dimension

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



70.2984, 0.2515, 0.3000



65.9462, 0.2415, 0.2935



45.5597, 0.2412, 0.2360



19.7048, 0.2980, 0.3232



24.2344, 0.2028, 0.2499



2.5276, 0.2056, 0.2600

Inverse Universe

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



48.7979, 0.3389, 0.2490



42.6875, 0.3456, 0.2347



78.4070, 0.3851, 0.4068



18.2220, 0.3175, 0.3111



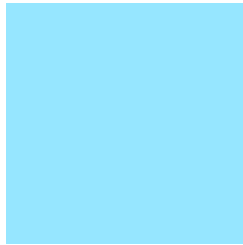
13.1744, 0.3923, 0.1935



1.2997, 0.3824, 0.1880

Previews

White Background



This preview shows how the Yxy color 70.2977, 0.2515, 0.3000 looks on a white background.

Color Contrast Check

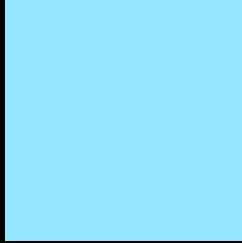
Large Text (above 18pt) WCAG AA × Fail

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 70.2977, 0.2515, 0.3000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

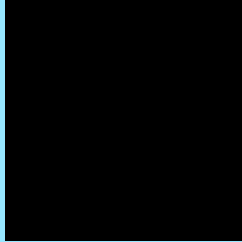
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.2977, 0.2515, 0.3000

Background



This preview shows how black text looks on a background with the Yxy color 70.2977, 0.2515, 0.3000.

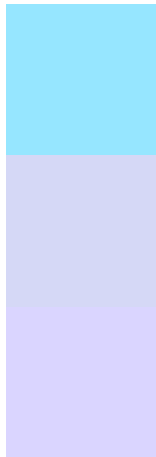


This preview shows how white text looks on a background with the Yxy color 70.2977, 0.2515, 0.3000.

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

70.2977, 0.2515, 0.3000

Protanopia

69.9117, 0.2913, 0.2967

Deuteranopia

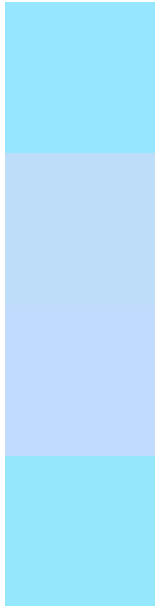
69.7139, 0.2890, 0.2848



Tritanopia

70.3809, 0.2540, 0.3079

Trichromacy



Original Color

70.2977, 0.2515, 0.3000

Protanomaly

69.4996, 0.2751, 0.2978

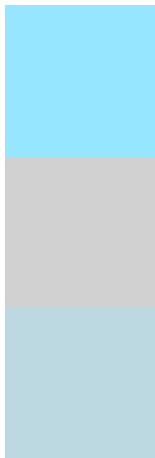
Deuteranomaly

69.2205, 0.2734, 0.2895

Tritanomaly

70.5064, 0.2531, 0.3056

Monochromacy



Original Color

70.2977, 0.2515, 0.3000

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.8081, 0.2869, 0.3185

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2977, 0.2515, 0.3000 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(150, 230, 255)` looks like.

```
.text, #text, p{  
    color:rgb(150, 230, 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(150, 230, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 230, 255) }
```

Border

The CSS property to change the border of an element to Yxy 70.2977, 0.2515, 0.3000 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(150, 230, 255) }
```

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

```
.border{ border-color:rgb(150, 230, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 230, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 230, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 230, 255);  
box-shadow:4px 4px 4px 4px rgb(150, 230,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2977, 0.2515, 0.3000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 230, 255) }
```

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

```
.background{ background-color: rgb(150,  
230, 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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