

Converting Colors

$Y_{xy}(65.3758, 0.2121, 0.2291)$

Have a look what the booklet for
Yxy(65.3758, 0.2121, 0.2291)
contains.

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Color

Yxy(61.3278, 0.2326, 0.2850)

Conversions

Conversions Part 1

Format	Color
Hex	70DBFF
RGB	112, 219, 255
RGB Percent	44%, 86%, 100%
CMY	0.5612, 0.1411, 0.0000
CMYK	0.56, 0.14, 0.00, 0.00
HSL	195°, 100%, 72%
HSV	195°, 56%, 100%
XYZ	50.0521, 61.3278, 103.8054
YIQ	191.1110, -75.3280, -11.4880

Conversions

Conversions Part 2

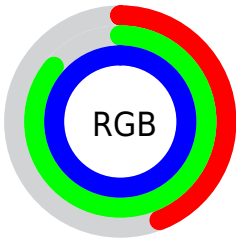
Format	Color
R _Y B	112, 173, 255
Decimal	7396351
CIE Lab	82.55, -21.04, -26.92
CIE LCh	83, 34.165, 231.993
Yxy	61.3278, 0.2326, 0.2850
Android (android.graphics.Color)	4285586431 (0xFF70DBFF)
YUV	191.1110, 31.4973, -69.3803
Hunter-Lab	78.3121, -22.9603, -23.7725

Details

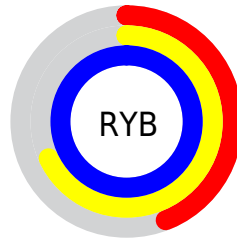
The Yxy color **61.3278, 0.2326, 0.2850** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.5658, 0.4595, 0.3657**, and the grayscale version is **52.0003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **31.0793, 0.2144, 0.2737** is the 20% darker color. If you saturate the color by 10%, you get **56.6081, 0.2221, 0.2757**, and if you desaturate by 10%, it is **66.6542, 0.2447, 0.2941**.

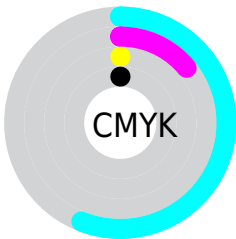
Distribution



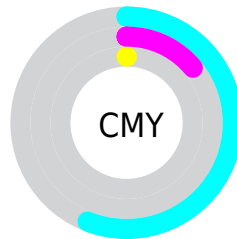
- Red (44%)
- Green (86%)
- Blue (100%)



- Red (44%)
- Yellow (68%)
- Blue (100%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (14%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 61.3278, 0.2326, 0.2850 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 61.3278, 0.2326, 0.2850 by changing the saturation by 10% instead.

61.3278, 0.2326,
0.2850

61.3278, 0.2326,
0.2850

429.4749, 0.2694,
0.3067

44.4898, 0.2243,
0.2798

106.7534, 0.2453,
0.2927

31.0557, 0.2142,
0.2732

136.1098, 0.2502,
0.2957

20.6413, 0.2017,
0.2648

170.4078, 0.2545,
0.2982

12.8620, 0.1856,
0.2535

210.0317, 0.2583,
0.3004

7.3336, 0.1645,
0.2378

255.3659, 0.2616,
0.3022

3.6716, 0.1361,
0.2149

306.7950, 0.2645,

1.4916, 0.0972,

0.3039

0.1795

364.7032, 0.2671,
0.3054

■ 0.2828, 0.0000,
0.0923

■ 0.0000, 0.0000,
0.0000

■ 61.3278, 0.2326,
0.2850

■ 61.3278, 0.2326,
0.2850

■ 56.6081, 0.2221,
0.2757

■ 66.6542, 0.2447,
0.2941

■ 52.4457, 0.2136,
0.2662

■ 72.6183, 0.2582,
0.3027

■ 48.7932, 0.2070,
0.2567

■ 79.2565, 0.2726,
0.3108

■ 45.5893, 0.2025,
0.2473

■ 86.6003, 0.2878,
0.3183

■ 44.4327, 0.2010,
0.2437

■ 94.6789, 0.3032,
0.3251

99.9999, 0.3127,
0.3290

Harmonies

Analogous

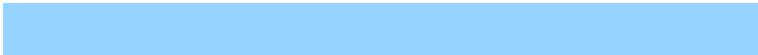
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



61.3278, 0.2424, 0.3218



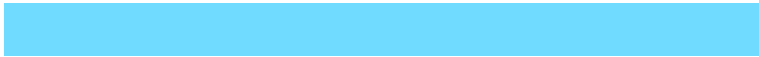
61.3278, 0.2326, 0.2850



61.3278, 0.2421, 0.2634

Triad

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



61.3278, 0.2326, 0.2850



61.3278, 0.3540, 0.2959



61.3278, 0.3534, 0.4076

Complementary

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



61.3278, 0.2326, 0.2850



43.5658, 0.4595, 0.3657

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.



61.3278, 0.3866, 0.3934



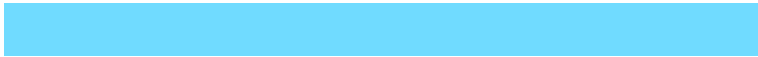
61.3278, 0.2326, 0.2850



61.3278, 0.3879, 0.3289

Square

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



61.3278, 0.2326, 0.2850



61.3278, 0.3099, 0.2711



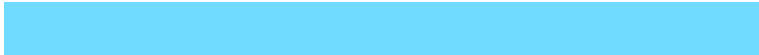
61.3278, 0.3999, 0.3639



61.3278, 0.3107, 0.3979

Rectangle

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



61.3278, 0.2326, 0.2850



61.3278, 0.2585, 0.2587



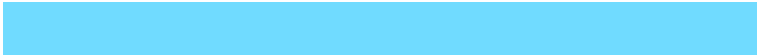
61.3278, 0.3999, 0.3639



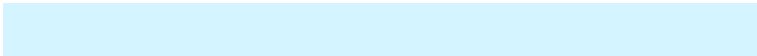
61.3278, 0.3661, 0.4052

Sweetspot

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



61.3301, 0.2326, 0.2850



85.9273, 0.2864, 0.3176



77.0844, 0.2892, 0.4670



18.0665, 0.2834, 0.3162



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.



61.3301, 0.2326, 0.2850



56.2214, 0.2213, 0.2748



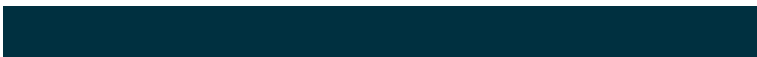
31.7324, 0.2126, 0.1913



19.6625, 0.2980, 0.3229



23.4676, 0.2015, 0.2452



2.4586, 0.2044, 0.2559

Inverse Universe

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



37.9389, 0.3540, 0.2246



32.3797, 0.3650, 0.2099



73.2058, 0.4127, 0.4344



18.2177, 0.3177, 0.3114



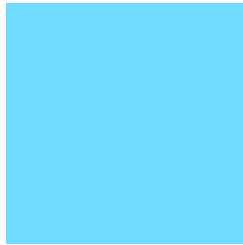
13.0970, 0.3970, 0.1961



1.2927, 0.3864, 0.1902

Previews

White Background



This preview shows how the Yxy color 61.3278, 0.2326, 0.2850 looks on a white background.

Color Contrast Check

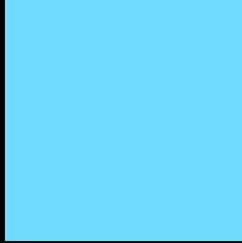
Large Text (above 18pt) WCAG AA × Fail

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 61.3278, 0.2326, 0.2850 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 61.3278, 0.2326, 0.2850

Background



This preview shows how black text looks on a background with the Yxy color 61.3278, 0.2326, 0.2850.



This preview shows how white text looks on a background with the Yxy color 61.3278, 0.2326, 0.2850.

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

61.3278, 0.2326, 0.2850

Protanopia

60.5085, 0.2803, 0.2817

Deuteranopia

60.7291, 0.2736, 0.2693



Tritanopia

61.5980, 0.2375, 0.3062

Trichromacy



Original Color

61.3278, 0.2326, 0.2850

Protanomaly

59.8884, 0.2591, 0.2820

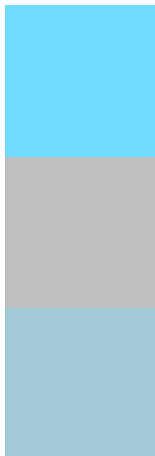
Deuteranomaly

60.3311, 0.2554, 0.2745

Tritanomaly

61.4936, 0.2359, 0.2989

Monochromacy



Original Color

61.3278, 0.2326, 0.2850

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

54.3097, 0.2757, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 61.3278, 0.2326, 0.2850 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(112, 219, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 219, 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(112, 219, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 219, 255) }
```

Border

The CSS property to change the border of an element to Yxy 61.3278, 0.2326, 0.2850 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(112, 219, 255) }
```

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

```
.border{ border-color:rgb(112, 219, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 219, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 219, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 219, 255);  
box-shadow:4px 4px 4px 4px rgb(112, 219,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 61.3278, 0.2326, 0.2850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 219, 255) }
```

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

```
.background{ background-color: rgb(112,  
219, 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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