

Converting Colors

$Y_{xy}(55.7765, 0.2296, 0.2708)$

Have a look what the booklet for
Yxy(55.7765, 0.2296, 0.2708)
contains.

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Color

Yxy(55.7765, 0.2296, 0.2708)

Conversions

Conversions Part 1

Format	Color
Hex	70D0FF
RGB	112, 208, 255
RGB Percent	44%, 82%, 100%
CMY	0.5608, 0.1843, 0.0000
CMYK	0.56, 0.18, 0.00, 0.00
HSL	200°, 100%, 72%
HSV	200°, 56%, 100%
XYZ	47.2906, 55.7765, 102.9023
YIQ	184.6540, -72.3030, -5.7350

Conversions

Conversions Part 2

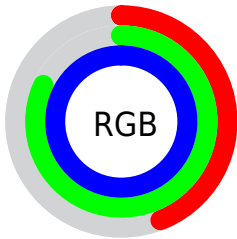
Format	Color
R _Y B	112, 169, 255
Decimal	7393535
CIE Lab	79.49, -15.38, -31.64
CIE LCh	79, 35.177, 244.076
Yxy	55.7765, 0.2296, 0.2708
Android (android.graphics.Color)	4285583615 (0xFF70D0FF)
YUV	184.6540, 34.6806, -63.7176
Hunter-Lab	74.6837, -17.6681, -29.4137

Details

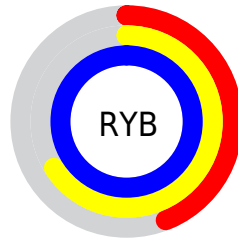
The Yxy color **55.7765, 0.2296, 0.2708** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **47.2261, 0.4516, 0.3770**, and the grayscale version is **48.1476, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.6242, 0.2666, 0.3289**, and **27.6807, 0.2103, 0.2564** is the 20% darker color. If you saturate the color by 10%, you get **50.3549, 0.2180, 0.2583**, and if you desaturate by 10%, it is **61.8883, 0.2428, 0.2829**.

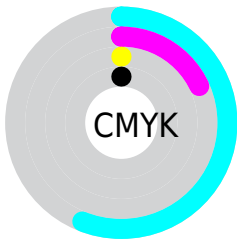
Distribution



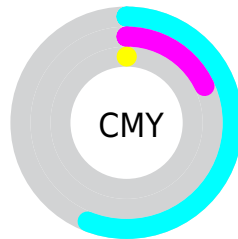
- Red (44%)
- Green (82%)
- Blue (100%)



- Red (44%)
- Yellow (66%)
- Blue (100%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.7765, 0.2296, 0.2708 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 55.7765, 0.2296, 0.2708 by changing the saturation by 10% instead.

■ 55.7765, 0.2296,
0.2708

■ 55.7765, 0.2296,
0.2708

■ 408.8487, 0.2683,
0.2993

■ 40.0238, 0.2208,
0.2640

■ 98.6777, 0.2430,
0.2809

■ 27.5571, 0.2100,
0.2555

■ 126.5950, 0.2482,
0.2848

■ 17.9920, 0.1965,
0.2446

■ 159.3359, 0.2527,
0.2881

■ 10.9443, 0.1792,
0.2302

■ 197.2848, 0.2567,
0.2909

■ 6.0294, 0.1565,
0.2104

■ 240.8262, 0.2601,
0.2934

■ 2.8629, 0.1259,
0.1820

■ 290.3443, 0.2632,

■ 1.0606, 0.0824,

0.2956

0.1403

346.2237, 0.2659,
0.2975

0.0000, 0.0000,
0.0000

55.7765, 0.2296,
0.2708

55.7765, 0.2296,
0.2708

50.3549, 0.2180,
0.2583

61.8883, 0.2428,
0.2829

45.5779, 0.2083,
0.2456

68.7288, 0.2571,
0.2944

41.3944, 0.2006,
0.2328

76.3343, 0.2722,
0.3051

37.7411, 0.1950,
0.2204

84.7379, 0.2877,
0.3150

36.4176, 0.1932,
0.2155

93.9706, 0.3033,
0.3240

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



55.7765, 0.2317, 0.3038



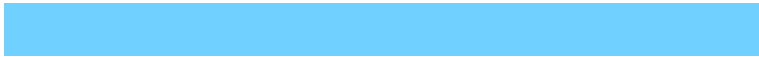
55.7765, 0.2296, 0.2708



55.7765, 0.2474, 0.2556

Triad

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



55.7765, 0.2296, 0.2708



55.7765, 0.3733, 0.3072



55.7765, 0.3380, 0.4120

Complementary

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



55.7765, 0.2296, 0.2708



47.2261, 0.4516, 0.3770

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.



55.7765, 0.3788, 0.4059



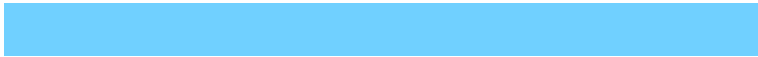
55.7765, 0.2296, 0.2708



55.7765, 0.4011, 0.3437

Square

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



55.7765, 0.2296, 0.2708



55.7765, 0.3288, 0.2770



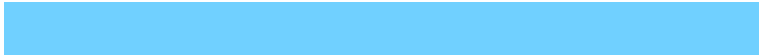
55.7765, 0.4027, 0.3795



55.7765, 0.2922, 0.3908

Rectangle

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



55.7765, 0.2296, 0.2708



55.7765, 0.2693, 0.2556



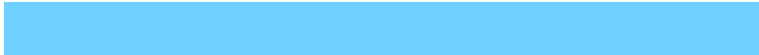
55.7765, 0.4027, 0.3795



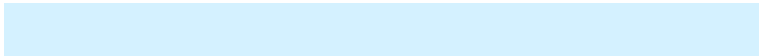
55.7765, 0.3528, 0.4128

Sweetspot

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



55.7769, 0.2296, 0.2708



83.9291, 0.2862, 0.3141



77.4088, 0.2850, 0.4544



17.5921, 0.2831, 0.3122



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.



55.7769, 0.2296, 0.2708



49.8883, 0.2170, 0.2571



28.9041, 0.2101, 0.1794



19.4161, 0.2980, 0.3210



19.3135, 0.1938, 0.2176



2.0804, 0.1977, 0.2318

Inverse Universe

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



37.4025, 0.3660, 0.2343



31.7404, 0.3809, 0.2210



78.3487, 0.4072, 0.4423



18.1929, 0.3189, 0.3132



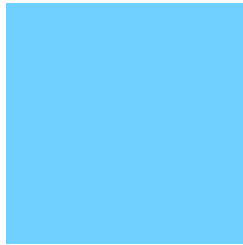
12.6777, 0.4259, 0.2120



1.2546, 0.4108, 0.2037

Previews

White Background



This preview shows how the Yxy color 55.7765, 0.2296, 0.2708 looks on a white background.

Color Contrast Check

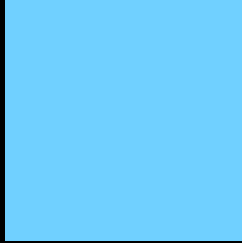
Large Text (above 18pt) WCAG AA × Fail

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 55.7765, 0.2296, 0.2708 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

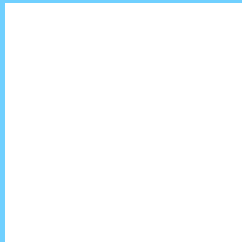
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.7765, 0.2296, 0.2708

Background



This preview shows how black text looks on a background with the Yxy color 55.7765, 0.2296, 0.2708.



This preview shows how white text looks on a background with the Yxy color 55.7765, 0.2296, 0.2708.

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

55.7765, 0.2296, 0.2708

Protanopia

55.2434, 0.2702, 0.2699

Deuteranopia

55.3050, 0.2636, 0.2584



Tritanopia

55.6249, 0.2376, 0.3052

Trichromacy



Original Color

55.7765, 0.2296, 0.2708

Protanomaly

54.8545, 0.2524, 0.2692

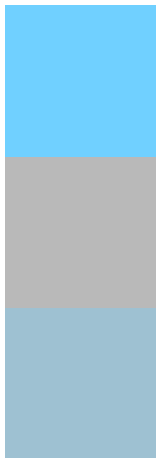
Deuteranomaly

54.7763, 0.2491, 0.2616

Tritanomaly

55.8847, 0.2349, 0.2929

Monochromacy



Original Color

55.7765, 0.2296, 0.2708

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

50.0622, 0.2746, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.7765, 0.2296, 0.2708 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, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(112, 208, 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, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 55.7765, 0.2296, 0.2708 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, 208, 255) }
```

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

```
.border{ border-color:rgb(112, 208, 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, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 208, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 208, 255); box-shadow:4px 4px 4px 4px rgb(112, 208, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 55.7765, 0.2296, 0.2708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 208, 255) }
```

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

```
.background{ background-color: rgb(112,  
208, 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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