

Converting Colors

$Y_{xy}(44.7070, 0.2330, 0.2724)$

Have a look what the booklet for
Yxy(44.7070, 0.2330, 0.2724)
contains.

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Color

Yxy(44.8054, 0.2328, 0.2722)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 6BBCE6 |
| RGB | 107, 188, 230 |
| RGB Percent | 42%, 74%, 90% |
| CMY | 0.5807, 0.2627, 0.0981 |
| CMYK | 0.54, 0.18, 0.00, 0.10 |
| HSL | 200°, 71%, 66% |
| HSV | 200°, 54%, 90% |
| XYZ | 38.3200, 44.8054, 81.4793 |
| YIQ | 168.5690, -61.7580, -4.1100 |

Conversions

Conversions Part 2

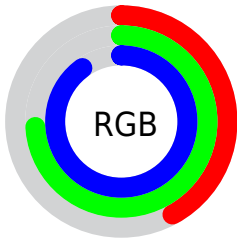
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 107, 156, 230 |
| Decimal | 7060710 |
| CIE Lab | 72.76, -13.23, -28.54 |
| CIE LCh | 73, 31.453, 245.129 |
| Yxy | 44.8054, 0.2328, 0.2722 |
| Android (android.graphics.Color) | 4285250790 (0xFF6BBCE6) |
| YUV | 168.5690, 30.2855, -53.9960 |
| Hunter-Lab | 66.9368, -14.9518, -25.3154 |

Details

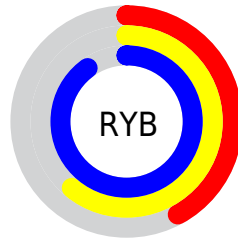
The Yxy color **44.8054, 0.2328, 0.2722** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **39.3393, 0.4407, 0.3768**, and the grayscale version is **39.3146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.0284, 0.2617, 0.3167**, and **20.8762, 0.2123, 0.2568** is the 20% darker color. If you saturate the color by 10%, you get **40.3066, 0.2206, 0.2593**, and if you desaturate by 10%, it is **49.8685, 0.2464, 0.2846**.

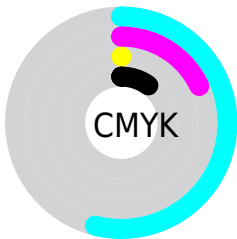
Distribution



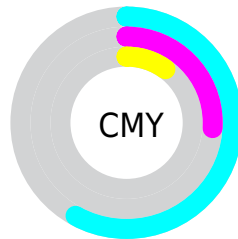
- Red (42%)
- Green (74%)
- Blue (90%)



- Red (42%)
- Yellow (61%)
- Blue (90%)



- Cyan (54%)
- Magenta (18%)
- Yellow (0%)
- Black (10%)



- Cyan (58%)
- Magenta (26%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8054, 0.2328, 0.2722 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 44.8054, 0.2328, 0.2722 by changing the saturation by 10% instead.

■ 44.8054, 0.2328,
0.2722

■ 44.8054, 0.2328,
0.2722

365.9849, 0.2716,
0.3010

■ 31.3042, 0.2236,
0.2650

■ 82.4283, 0.2466,
0.2827

■ 20.8306, 0.2121,
0.2559

■ 107.3188, 0.2518,
0.2866

■ 13.0002, 0.1973,
0.2438

■ 136.7745, 0.2563,
0.2899

■ 7.4287, 0.1778,
0.2274

171.1798, 0.2602,
0.2928

■ 3.7316, 0.1513,
0.2038

210.9191, 0.2636,
0.2952

■ 1.5246, 0.1142,
0.1685

256.3767, 0.2666,

■ 0.3059, 0.0000,

0.2974

0.0906

307.9372, 0.2692,
0.2993

0.0000, 0.0000,
0.0000

44.8054, 0.2328,
0.2722

44.8054, 0.2328,
0.2722

40.3066, 0.2206,
0.2593

49.8685, 0.2464,
0.2846

36.3335, 0.2102,
0.2462

55.5212, 0.2610,
0.2962

32.8493, 0.2017,
0.2330


61.7928, 0.2763,
0.3071

29.8077, 0.1954,
0.2200

68.7087, 0.2918,
0.3170


28.0251, 0.1921,
0.2117

76.2929, 0.3073,
0.3261

 84.5679, 0.3226,
0.3342

 91.0240, 0.3287,
0.3417

 95.8168, 0.3278,
0.3492

 98.4923, 0.3274,
0.3532

Harmonies

Analogous

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



44.8054, 0.2342, 0.3036



44.8054, 0.2328, 0.2722



44.8054, 0.2507, 0.2580

Triad

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



44.8054, 0.2328, 0.2722



44.8054, 0.3722, 0.3093



44.8054, 0.3356, 0.4084

Complementary

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



44.8054, 0.2328, 0.2722



39.3393, 0.4407, 0.3768

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.



44.8054, 0.3753, 0.4037



44.8054, 0.2328, 0.2722



44.8054, 0.3982, 0.3446

Square

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



44.8054, 0.2328, 0.2722



44.8054, 0.3298, 0.2797



44.8054, 0.3989, 0.3790



44.8054, 0.2916, 0.3871

Rectangle

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



44.8054, 0.2328, 0.2722



44.8054, 0.2722, 0.2584



44.8054, 0.3989, 0.3790



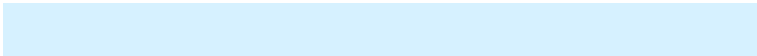
44.8054, 0.3499, 0.4096

Sweetspot

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



44.8071, 0.2328, 0.2722



84.5081, 0.2878, 0.3145



61.8421, 0.2848, 0.4437



17.6958, 0.2846, 0.3125



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.



44.8071, 0.2328, 0.2722



50.4915, 0.2196, 0.2582



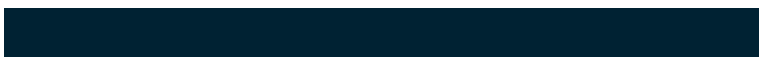
24.1233, 0.2150, 0.1854



15.4652, 0.2981, 0.3208



16.1041, 0.1927, 0.2137



1.3608, 0.1979, 0.2325

Inverse Universe

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



30.9506, 0.3640, 0.2399



33.0193, 0.3791, 0.2260



63.7140, 0.4013, 0.4393



14.5273, 0.3190, 0.3136



10.8234, 0.4300, 0.2143



0.8171, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 44.8054, 0.2328, 0.2722 looks on a white background.

Color Contrast Check

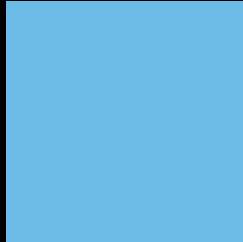
Large Text (above 18pt) WCAG AA × Fail

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 44.8054, 0.2328, 0.2722 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

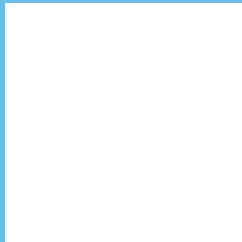
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.8054, 0.2328, 0.2722

Background



This preview shows how black text looks on a background with the Yxy color 44.8054, 0.2328, 0.2722.

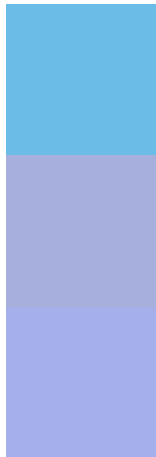


This preview shows how white text looks on a background with the Yxy color 44.8054, 0.2328, 0.2722.

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

44.8054, 0.2328, 0.2722

Protanopia

44.4866, 0.2720, 0.2718

Deuteranopia

44.5425, 0.2627, 0.2569



Tritanopia

44.8569, 0.2416, 0.3074

Trichromacy



Original Color

44.8054, 0.2328, 0.2722

Protanomaly

44.0441, 0.2554, 0.2713

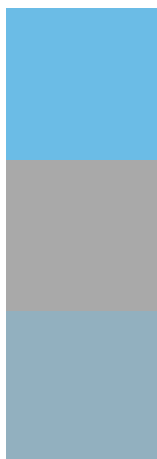
Deuteranomaly

44.3980, 0.2501, 0.2620

Tritanomaly

44.9927, 0.2386, 0.2952

Monochromacy



Original Color

44.8054, 0.2328, 0.2722

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

40.9232, 0.2767, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8054, 0.2328, 0.2722 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(107, 188, 230)` looks like.

```
.text, #text, p{  
    color:rgb(107, 188, 230)  
}
```

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(107, 188, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 188, 230) }
```

Border

The CSS property to change the border of an element to Yxy 44.8054, 0.2328, 0.2722 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(107, 188, 230) }
```

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

```
.border{ border-color:rgb(107, 188, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 188, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 188, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 188, 230);  
box-shadow:4px 4px 4px 4px rgb(107, 188,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8054, 0.2328, 0.2722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 188, 230) }
```

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

```
.background{ background-color: rgb(107,  
188, 230) }
```

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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