

Converting Colors

Yxy(64.3672, 0.2750, 0.2777)

Have a look what the booklet for
Yxy(64.3672, 0.2750, 0.2777)
contains.

Yxy(64.2021, 0.2749, 0.2774)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(64.2021, 0.2749, 0.2774)

Conversions

Conversions Part 1

Format	Color
Hex	C5D0FF
RGB	197, 208, 255
RGB Percent	77%, 82%, 100%
CMY	0.2275, 0.1843, 0.0001
CMYK	0.23, 0.18, 0.00, 0.00
HSL	229°, 100%, 89%
HSV	229°, 23%, 100%
XYZ	63.6235, 64.2021, 103.6167
YIQ	210.0690, -21.6430, 12.2850

Conversions

Conversions Part 2

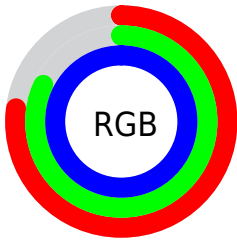
Format	Color
R _Y B	197, 206, 255
Decimal	12964095
CIE Lab	84.07, 6.04, -24.19
CIE LCh	84, 24.930, 284.031
Yxy	64.2021, 0.2749, 0.2774
Android (android.graphics.Color)	4291154175 (0xFFC5D0FF)
YUV	210.0690, 22.1510, -11.4615
Hunter-Lab	80.1262, 1.5154, -20.5836

Details

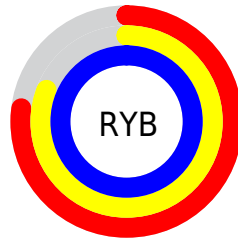
The Yxy color **64.2021, 0.2749, 0.2774** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **89.9461, 0.3494, 0.3758**, and the grayscale version is **64.3581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8108, 0.3121, 0.3290**, and **32.9392, 0.2656, 0.2659** is the 20% darker color. If you saturate the color by 10%, you get **51.6277, 0.2561, 0.2504**, and if you desaturate by 10%, it is **78.6742, 0.2925, 0.3018**.

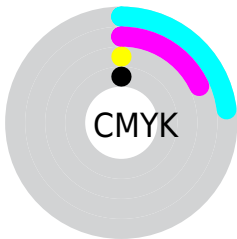
Distribution



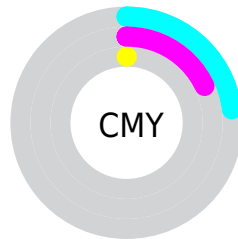
- Red (77%)
- Green (82%)
- Blue (100%)



- Red (77%)
- Yellow (81%)
- Blue (100%)



- Cyan (23%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (23%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2021, 0.2749, 0.2774 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 64.2021, 0.2749, 0.2774 by changing the saturation by 10% instead.

■ 64.2021, 0.2749,
0.2774

■ 64.2021, 0.2749,
0.2774

439.9191, 0.2927,
0.3012

■ 46.8144, 0.2708,
0.2720

110.9019, 0.2811,
0.2856

■ 32.8889, 0.2657,
0.2654

140.9829, 0.2835,
0.2888

■ 22.0414, 0.2592,
0.2570

176.0636, 0.2856,
0.2916

■ 13.8873, 0.2507,
0.2462

216.5286, 0.2874,
0.2940

■ 8.0423, 0.2392,
0.2316

262.7623, 0.2890,
0.2962

■ 4.1220, 0.2226,
0.2113

315.1490, 0.2903,

■ 1.7421, 0.1973,

0.2980

0.1810

374.0731, 0.2916,
0.2997

0.4507, 0.1519,
0.1188

0.0000, 0.0000,
0.0000

64.2021, 0.2749,
0.2774

64.2021, 0.2749,
0.2774

51.6277, 0.2561,
0.2504

78.6742, 0.2925,
0.3018

40.8638, 0.2364,
0.2213

95.1108, 0.3086,
0.3235

31.8277, 0.2167,
0.1908

99.9978, 0.3127,
0.3290

24.4271, 0.1980,
0.1604

■ 18.5608, 0.1814,
0.1317

■ 14.1156, 0.1680,
0.1065

■ 10.9612, 0.1587,
0.0865

■ 9.3734, 0.1544,
0.0757

Harmonies

Analogous

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



64.2021, 0.2578, 0.2845



64.2021, 0.2749, 0.2774



64.2021, 0.3027, 0.2829

Triad

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



64.2021, 0.2749, 0.2774



64.2021, 0.3746, 0.3488



64.2021, 0.2896, 0.3617

Complementary

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



64.2021, 0.2749, 0.2774



89.9461, 0.3494, 0.3758

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.



64.2021, 0.3203, 0.3811



64.2021, 0.2749, 0.2774



64.2021, 0.3702, 0.3715

Square

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



64.2021, 0.2749, 0.2774



64.2021, 0.3614, 0.3228



64.2021, 0.3500, 0.3841



64.2021, 0.2659, 0.3326

Rectangle

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



64.2021, 0.2749, 0.2774



64.2021, 0.3240, 0.2928



64.2021, 0.3500, 0.3841



64.2021, 0.2994, 0.3697

Sweetspot

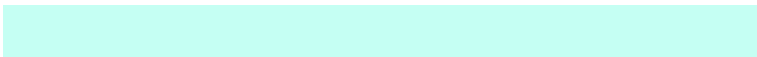
The Sweet Spot groups the original color and five complimentary colors.



64.2047, 0.2749, 0.2774



87.8925, 0.3019, 0.3146



89.8597, 0.2848, 0.3412



18.5991, 0.3010, 0.3133



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.



64.2047, 0.2749, 0.2774



58.6392, 0.2670, 0.2662



61.4959, 0.2859, 0.2670



17.9368, 0.2979, 0.3091



5.0578, 0.1550, 0.0778



0.6334, 0.1601, 0.0965

Inverse Universe

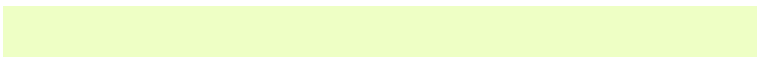
The Inverse Universe completely reimagines the original color for something new.



65.7333, 0.3509, 0.3178



60.5761, 0.3603, 0.3155



93.6316, 0.3356, 0.3882



18.0435, 0.3264, 0.3245



11.2385, 0.6105, 0.3137



1.1085, 0.5812, 0.2975

Previews

White Background



This preview shows how the Yxy color 64.2021, 0.2749, 0.2774 looks on a white background.

Color Contrast Check

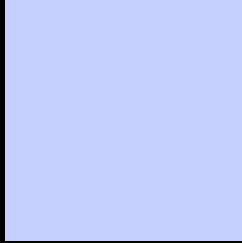
Large Text (above 18pt) WCAG AA × Fail

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 64.2021, 0.2749, 0.2774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

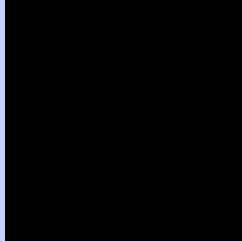
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2021, 0.2749, 0.2774

Background



This preview shows how black text looks on a background with the Yxy color 64.2021, 0.2749, 0.2774.



This preview shows how white text looks on a background with the Yxy color 64.2021, 0.2749, 0.2774.

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

64.2021, 0.2749, 0.2774

Protanopia

63.9878, 0.2761, 0.2764

Deuteranopia

64.1480, 0.2812, 0.2750



Tritanopia

63.9506, 0.2875, 0.3094

Trichromacy



Original Color

64.2021, 0.2749, 0.2774

Protanomaly

63.8514, 0.2755, 0.2763

Deuteranomaly

64.0591, 0.2787, 0.2757

Tritanomaly

64.2309, 0.2832, 0.2984

Monochromacy



Original Color

64.2021, 0.2749, 0.2774

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

64.0711, 0.2983, 0.3098

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2021, 0.2749, 0.2774 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(197, 208, 255)` looks like.

```
.text, #text, p{  
    color:rgb(197, 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(197, 208, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 208, 255) }
```

Border

The CSS property to change the border of an element to Yxy 64.2021, 0.2749, 0.2774 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(197, 208, 255) }
```

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

```
.border{ border-color:rgb(197, 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(197, 208, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 208, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 208, 255);  
box-shadow:4px 4px 4px 4px rgb(197, 208,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2021, 0.2749, 0.2774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 208, 255) }
```

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

```
.background{ background-color: rgb(197,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor