

Converting Colors

$Y_{xy}(49.7908, 0.2282, 0.2751)$

Have a look what the booklet for
Yxy(49.7908, 0.2282, 0.2751)
contains.

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Color

Yxy(49.7908, 0.2282, 0.2751)

Conversions

Conversions Part 1

Format	Color
Hex	63C7F0
RGB	99, 199, 240
RGB Percent	39%, 78%, 94%
CMY	0.6117, 0.2196, 0.0587
CMYK	0.59, 0.17, 0.00, 0.06
HSL	197°, 82%, 66%
HSV	197°, 59%, 94%
XYZ	41.3023, 49.7908, 89.8985
YIQ	173.7740, -72.7610, -8.4490

Conversions

Conversions Part 2

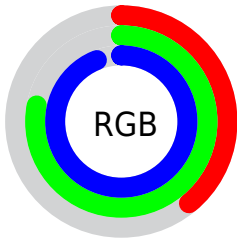
Format	Color
R _Y B	99, 158, 240
Decimal	6539248
CIE Lab	75.94, -17.58, -29.11
CIE LCh	76, 34.004, 238.872
Yxy	49.7908, 0.2282, 0.2751
Android (android.graphics.Color)	4284729328 (0xFF63C7F0)
YUV	173.7740, 32.6494, -65.5768
Hunter-Lab	70.5626, -19.0034, -26.1432

Details

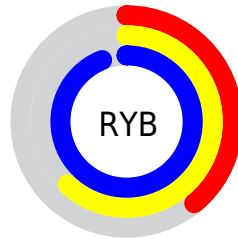
The Yxy color **49.7908, 0.2282, 0.2751** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **38.2059, 0.4644, 0.3729**, and the grayscale version is **42.0668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.2136, 0.2605, 0.3288**, and **23.8499, 0.2074, 0.2597** is the 20% darker color. If you saturate the color by 10%, you get **45.4942, 0.2176, 0.2641**, and if you desaturate by 10%, it is **54.6403, 0.2404, 0.2858**.

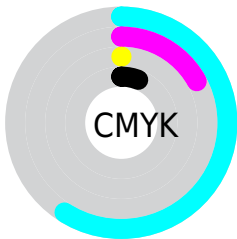
Distribution



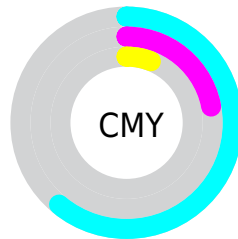
- Red (39%)
- Green (78%)
- Blue (94%)



- Red (39%)
- Yellow (62%)
- Blue (94%)



- Cyan (59%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)



- Cyan (61%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7908, 0.2282, 0.2751 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 49.7908, 0.2282, 0.2751 by changing the saturation by 10% instead.

■ 49.7908, 0.2282,
0.2751

■ 49.7908, 0.2282,
0.2751

■ 385.8473, 0.2684,
0.3022

■ 35.2472, 0.2189,
0.2684

■ 89.8648, 0.2423,
0.2849

■ 23.8534, 0.2074,
0.2599

■ 116.1641, 0.2477,
0.2886

■ 15.2249, 0.1928,
0.2488

■ 147.1506, 0.2524,
0.2917

■ 8.9774, 0.1739,
0.2338

■ 183.2089, 0.2564,
0.2944

■ 4.7264, 0.1487,
0.2126

■ 224.7233, 0.2600,
0.2968

■ 2.0877, 0.1143,
0.1812

■ 272.0783, 0.2631,

■ 0.6577, 0.0397,

0.2988

0.1333

325.6581, 0.2659,
0.3006

0.0000, 0.0000,
0.0000

49.7908, 0.2282,
0.2751

49.7908, 0.2282,
0.2751

45.4942, 0.2176,
0.2641

54.6403, 0.2404,
0.2858

41.7063, 0.2090,
0.2530

60.0713, 0.2540,
0.2960

38.3834, 0.2024,
0.2419

66.1168, 0.2686,
0.3055

35.4594, 0.1977,
0.2310

72.8049, 0.2837,
0.3144

35.1105, 0.1971,
0.2296

80.1620, 0.2992,
0.3225

88.2128, 0.3146,
0.3299

94.6241, 0.3220,
0.3366

98.9976, 0.3214,
0.3433

99.0734, 0.3214,
0.3434

Harmonies

Analogous

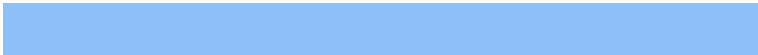
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



49.7908, 0.2339, 0.3110



49.7908, 0.2282, 0.2751



49.7908, 0.2427, 0.2567

Triad

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



49.7908, 0.2282, 0.2751



49.7908, 0.3665, 0.3013



49.7908, 0.3459, 0.4131

Complementary

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



49.7908, 0.2282, 0.2751



38.2059, 0.4644, 0.3729

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.



49.7908, 0.3847, 0.4027



49.7908, 0.2282, 0.2751



49.7908, 0.3983, 0.3372

Square

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



49.7908, 0.2282, 0.2751



49.7908, 0.3205, 0.2726



49.7908, 0.4047, 0.3738



49.7908, 0.2999, 0.3966

Rectangle

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



49.7908, 0.2282, 0.2751



49.7908, 0.2627, 0.2546



49.7908, 0.4047, 0.3738



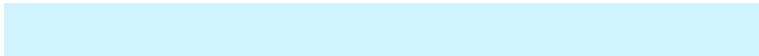
49.7908, 0.3602, 0.4124

Sweetspot

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



49.7926, 0.2282, 0.2751



84.0814, 0.2848, 0.3150



66.8582, 0.2866, 0.4676



17.4974, 0.2803, 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.



49.7926, 0.2282, 0.2751



51.5139, 0.2162, 0.2625



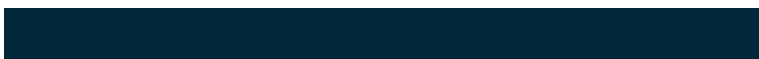
24.7990, 0.2067, 0.1780



17.1065, 0.2981, 0.3220



19.4541, 0.1976, 0.2314



1.7889, 0.2016, 0.2458

Inverse Universe

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



31.5823, 0.3629, 0.2260



30.8124, 0.3767, 0.2124



65.2706, 0.4142, 0.4423



15.9484, 0.3182, 0.3124



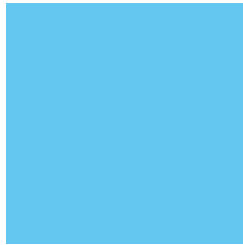
11.7573, 0.4112, 0.2039



0.9953, 0.3965, 0.1958

Previews

White Background



This preview shows how the Yxy color 49.7908, 0.2282, 0.2751 looks on a white background.

Color Contrast Check

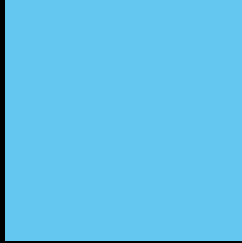
Large Text (above 18pt) WCAG AA × Fail

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 49.7908, 0.2282, 0.2751 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

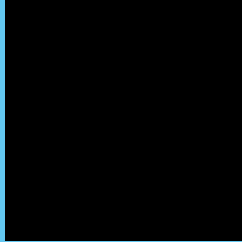
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

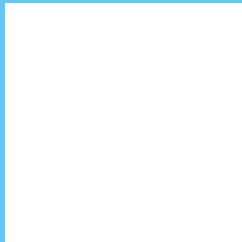
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7908, 0.2282, 0.2751

Background



This preview shows how black text looks on a background with the Yxy color 49.7908, 0.2282, 0.2751.



This preview shows how white text looks on a background with the Yxy color 49.7908, 0.2282, 0.2751.

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

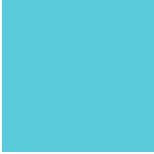
49.7908, 0.2282, 0.2751

Protanopia

49.1081, 0.2728, 0.2729

Deuteranopia

49.2829, 0.2627, 0.2564



Tritanopia

50.0000, 0.2353, 0.3067

Trichromacy



Original Color

49.7908, 0.2282, 0.2751

Protanomaly

48.5387, 0.2526, 0.2720

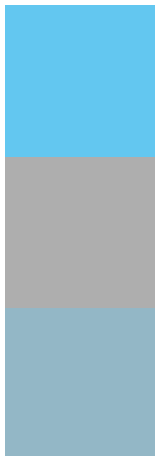
Deuteranomaly

48.9772, 0.2472, 0.2619

Tritanomaly

50.1143, 0.2325, 0.2950

Monochromacy



Original Color

49.7908, 0.2282, 0.2751

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

44.1472, 0.2735, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7908, 0.2282, 0.2751 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(99, 199, 240)` looks like.

```
.text, #text, p{  
    color:rgb(99, 199, 240)  
}
```

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(99, 199, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 199, 240) }
```

Border

The CSS property to change the border of an element to Yxy 49.7908, 0.2282, 0.2751 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(99, 199, 240) }
```

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

```
.border{ border-color:rgb(99, 199, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 199, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 199, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 199, 240);  
box-shadow:4px 4px 4px 4px rgb(99, 199,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7908, 0.2282, 0.2751 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 199, 240) }
```

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

```
.background{ background-color: rgb(99, 199,  
240) }
```

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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