

Converting Colors

$Yxy(42.2447, 0.2308, 0.2456)$

Have a look what the booklet for
Yxy(42.2447, 0.2308, 0.2456)
contains.

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Color

Yxy(42.2447, 0.2308, 0.2456)

Conversions

Conversions Part 1

Format	Color
Hex	78B2F2
RGB	120, 178, 242
RGB Percent	47%, 70%, 95%
CMY	0.5291, 0.3020, 0.0510
CMYK	0.50, 0.26, 0.00, 0.05
HSL	211°, 82%, 71%
HSV	211°, 50%, 95%
XYZ	39.6990, 42.2447, 90.0624
YIQ	167.9540, -55.1120, 7.6080

Conversions

Conversions Part 2

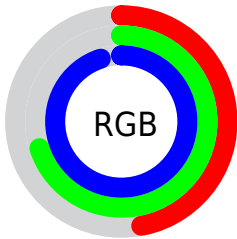
Format	Color
R _Y B	120, 159, 242
Decimal	7910130
CIE Lab	71.04, -1.42, -37.67
CIE LCh	71, 37.699, 267.846
Yxy	42.2447, 0.2308, 0.2456
Android (android.graphics.Color)	4286100210 (0xFF78B2F2)
YUV	167.9540, 36.5047, -42.0557
Hunter-Lab	64.9959, -4.7164, -36.6588

Details

The Yxy color **42.2447, 0.2308, 0.2456** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **54.5452, 0.4172, 0.3981**, and the grayscale version is **38.9796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5306, 0.2664, 0.3057**, and **19.4275, 0.2094, 0.2237** is the 20% darker color. If you saturate the color by 10%, you get **35.9049, 0.2155, 0.2253**, and if you desaturate by 10%, it is **49.4929, 0.2471, 0.2650**.

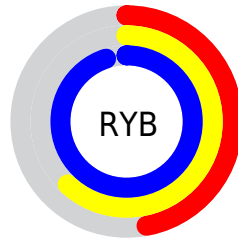
Distribution



Red (47%)

Green (70%)

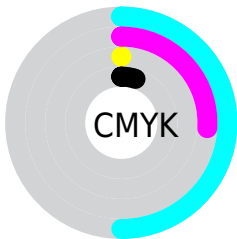
Blue (95%)



Red (47%)

Yellow (62%)

Blue (95%)

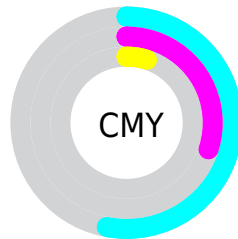


Cyan (50%)

Magenta (26%)

Yellow (0%)

Black (5%)



Cyan (53%)

Magenta (30%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2447, 0.2308, 0.2456 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 42.2447, 0.2308, 0.2456 by changing the saturation by 10% instead.

■ 42.2447, 0.2308,
0.2456

■ 42.2447, 0.2308,
0.2456

■ 355.4963, 0.2709,
0.2866

■ 29.2929, 0.2212,
0.2358

■ 78.5698, 0.2451,
0.2602

■ 19.3025, 0.2093,
0.2235

■ 102.7120, 0.2505,
0.2658

■ 11.8891, 0.1940,
0.2077

■ 131.3531, 0.2552,
0.2706

■ 6.6682, 0.1739,
0.1869

■ 164.8775, 0.2592,
0.2747

■ 3.2555, 0.1469,
0.1587

■ 203.6697, 0.2627,
0.2782

■ 1.2665, 0.1097,
0.1197

■ 248.1139, 0.2658,

■ 0.1151, 0.0174,

0.2814

0.0268

298.5947, 0.2685,
0.2841

0.0000, 0.0000,
0.0000

42.2447, 0.2308,
0.2456

42.2447, 0.2308,
0.2456

35.9049, 0.2155,
0.2253

49.4929, 0.2471,
0.2650

30.4228, 0.2017,
0.2046

57.6872, 0.2637,
0.2832

25.7481, 0.1900,
0.1840

66.8682, 0.2803,
0.2999

21.8211, 0.1808,
0.1644

77.0726, 0.2966,
0.3150

18.6640, 0.1741,
0.1467

88.3348, 0.3121,
0.3285

98.6883, 0.3203,
0.3407

99.1906, 0.3203,
0.3415

Harmonies

Analogous

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



42.2447, 0.2151, 0.2668



42.2447, 0.2308, 0.2456



42.2447, 0.2674, 0.2452

Triad

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



42.2447, 0.2308, 0.2456



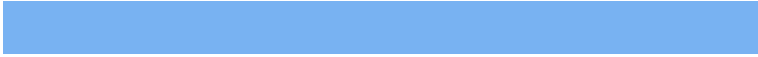
42.2447, 0.4123, 0.3360



42.2447, 0.2988, 0.4105

Complementary

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



42.2447, 0.2308, 0.2456



54.5452, 0.4172, 0.3981

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.



42.2447, 0.3523, 0.4282



42.2447, 0.2308, 0.2456



42.2447, 0.4205, 0.3784

Square

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



42.2447, 0.2308, 0.2456



42.2447, 0.3740, 0.2953



42.2447, 0.3974, 0.4134



42.2447, 0.2516, 0.3636

Rectangle

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



42.2447, 0.2308, 0.2456



42.2447, 0.3010, 0.2553



42.2447, 0.3974, 0.4134



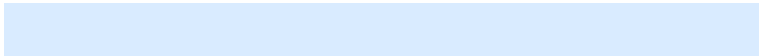
42.2447, 0.3167, 0.4203

Sweetspot

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



42.2462, 0.2308, 0.2456



81.3051, 0.2891, 0.3081



70.9216, 0.2747, 0.4053



16.8865, 0.2856, 0.3049



0.0000, 0.0000, 0.0000



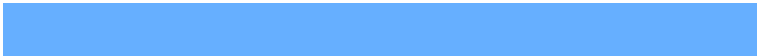
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.2462, 0.2308, 0.2456



40.5824, 0.2158, 0.2257



24.0048, 0.2171, 0.1693



16.4674, 0.2980, 0.3163



10.2964, 0.1749, 0.1496



1.0545, 0.1817, 0.1742

Inverse Universe

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



35.5399, 0.3858, 0.2668



33.8455, 0.4079, 0.2571



83.3788, 0.3850, 0.4517



15.8839, 0.3219, 0.3178



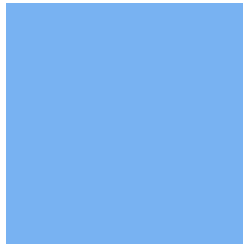
10.8328, 0.5064, 0.2563



0.9212, 0.4756, 0.2393

Previews

White Background



This preview shows how the Yxy color 42.2447, 0.2308, 0.2456 looks on a white background.

Color Contrast Check

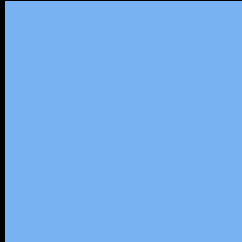
Large Text (above 18pt) WCAG AA × Fail

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 42.2447, 0.2308, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

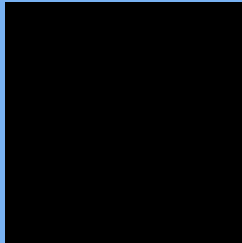
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

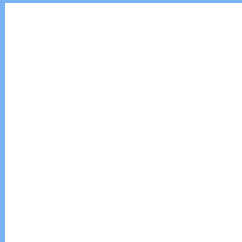
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2447, 0.2308, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 42.2447, 0.2308, 0.2456.



This preview shows how white text looks on a background with the Yxy color 42.2447, 0.2308, 0.2456.

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

42.2447, 0.2308, 0.2456

Protanopia

42.0520, 0.2527, 0.2469

Deuteranopia

41.8928, 0.2448, 0.2388



Tritanopia

42.4607, 0.2471, 0.3071

Trichromacy



Original Color

42.2447, 0.2308, 0.2456

Protanomaly

42.1959, 0.2444, 0.2471

Deuteranomaly

42.1464, 0.2393, 0.2413

Tritanomaly

42.2696, 0.2409, 0.2827

Monochromacy



Original Color

42.2447, 0.2308, 0.2456

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.0245, 0.2772, 0.2970

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2447, 0.2308, 0.2456 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(120, 178, 242)` looks like.

```
.text, #text, p{  
    color:rgb(120, 178, 242)  
}
```

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(120, 178, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 178, 242) }
```

Border

The CSS property to change the border of an element to Yxy 42.2447, 0.2308, 0.2456 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(120, 178, 242) }
```

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

```
.border{ border-color:rgb(120, 178, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 178, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 178, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 178, 242);  
box-shadow:4px 4px 4px 4px rgb(120, 178,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2447, 0.2308, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 178, 242) }
```

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

```
.background{ background-color: rgb(120,  
178, 242) }
```

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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