

Converting Colors

$Y_{xy}(42.2506, 0.2395, 0.2650)$

Have a look what the booklet for
Yxy(42.2506, 0.2395, 0.2650)
contains.

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Color

Yxy(42.3261, 0.2398, 0.2656)

Conversions

Conversions Part 1

Format	Color
Hex	7AB4E3
RGB	122, 180, 227
RGB Percent	48%, 71%, 89%
CMY	0.5214, 0.2941, 0.1098
CMYK	0.46, 0.21, 0.00, 0.11
HSL	207°, 65%, 68%
HSV	207°, 46%, 89%
XYZ	38.2146, 42.3261, 78.8196
YIQ	168.0160, -49.6550, 2.3210

Conversions

Conversions Part 2

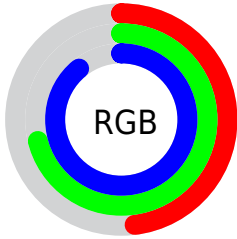
Format	Color
R _Y B	122, 159, 227
Decimal	8041699
CIE Lab	71.10, -6.38, -29.41
CIE LCh	71, 30.098, 257.770
Yxy	42.3261, 0.2398, 0.2656
Android (android.graphics.Color)	4286231779 (0xFF7AB4E3)
YUV	168.0160, 29.0791, -40.3560
Hunter-Lab	65.0585, -9.0036, -26.2900

Details

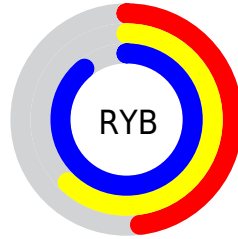
The Yxy color **42.3261, 0.2398, 0.2656** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **46.1219, 0.4107, 0.3836**, and the grayscale version is **39.0435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7946, 0.2672, 0.3080**, and **19.2428, 0.2203, 0.2476** is the 20% darker color. If you saturate the color by 10%, you get **36.9050, 0.2251, 0.2488**, and if you desaturate by 10%, it is **48.4383, 0.2554, 0.2815**.

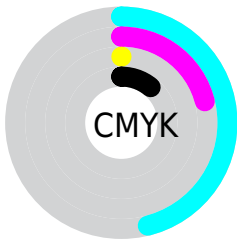
Distribution



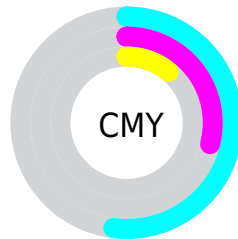
- Red (48%)
- Green (71%)
- Blue (89%)



- Red (48%)
- Yellow (62%)
- Blue (89%)



- Cyan (46%)
- Magenta (21%)
- Yellow (0%)
- Black (11%)



- Cyan (52%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3261, 0.2398, 0.2656 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 42.3261, 0.2398, 0.2656 by changing the saturation by 10% instead.

■ 42.3261, 0.2398,
0.2656

■ 42.3261, 0.2398,
0.2656

■ 355.8330, 0.2757,
0.2975

■ 29.3567, 0.2311,
0.2577

■ 78.6929, 0.2527,
0.2772

■ 19.3508, 0.2202,
0.2477

■ 102.8592, 0.2575,
0.2815

■ 11.9241, 0.2060,
0.2345

■ 131.5265, 0.2617,
0.2852

■ 6.6920, 0.1871,
0.2166

■ 165.0793, 0.2653,
0.2883

■ 3.2702, 0.1609,
0.1912

■ 203.9019, 0.2684,
0.2911

■ 1.2744, 0.1233,
0.1535

■ 248.3788, 0.2711,

■ 0.1212, 0.0000,

0.2935

0.0418

298.8944, 0.2736,
0.2956

0.0000, 0.0000,
0.0000

42.3261, 0.2398,
0.2656

42.3261, 0.2398,
0.2656

36.9050, 0.2251,
0.2488

48.4383, 0.2554,
0.2815

32.1363, 0.2118,
0.2314

55.2677, 0.2714,
0.2963

27.9843, 0.2003,
0.2138

62.8445, 0.2874,
0.3098

24.4060, 0.1909,
0.1964

71.1956, 0.3031,
0.3220

21.3492, 0.1838,
0.1797

80.3464, 0.3184,
0.3330

■ 20.3031, 0.1815,
0.1735

■ 89.7027, 0.3308,
0.3428

■ 95.8877, 0.3296,
0.3526

■ 98.3254, 0.3292,
0.3562

Harmonies

Analogous

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



42.3261, 0.2330, 0.2895



42.3261, 0.2398, 0.2656



42.3261, 0.2647, 0.2590

Triad

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



42.3261, 0.2398, 0.2656



42.3261, 0.3840, 0.3240



42.3261, 0.3169, 0.4006

Complementary

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



42.3261, 0.2398, 0.2656



46.1219, 0.4107, 0.3836

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.



42.3261, 0.3588, 0.4066



42.3261, 0.2398, 0.2656



42.3261, 0.3995, 0.3591

Square

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



42.3261, 0.2398, 0.2656



42.3261, 0.3480, 0.2919



42.3261, 0.3896, 0.3897



42.3261, 0.2756, 0.3704

Rectangle

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



42.3261, 0.2398, 0.2656



42.3261, 0.2896, 0.2638



42.3261, 0.3896, 0.3897



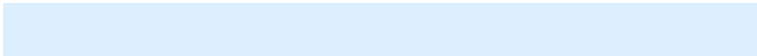
42.3261, 0.3314, 0.4055

Sweetspot

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



42.3277, 0.2398, 0.2656



84.0688, 0.2908, 0.3125



61.8815, 0.2817, 0.4100



17.5075, 0.2873, 0.3097



0.0000, 0.0000, 0.0000



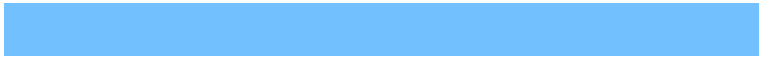
21.4041, 0.3127, 0.3290

Same Dimension

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



42.3277, 0.2398, 0.2656



48.6371, 0.2264, 0.2503



25.3957, 0.2268, 0.1936



15.2003, 0.2981, 0.3182



12.0785, 0.1822, 0.1760



1.0774, 0.1890, 0.2002

Inverse Universe

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



33.5528, 0.3673, 0.2629



37.2794, 0.3834, 0.2513



68.9173, 0.3842, 0.4356



14.5006, 0.3206, 0.3161



10.4170, 0.4734, 0.2381



0.7884, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 42.3261, 0.2398, 0.2656 looks on a white background.

Color Contrast Check

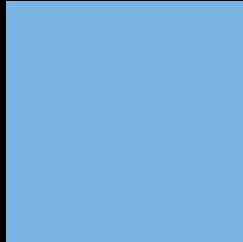
Large Text (above 18pt) WCAG AA × Fail

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 42.3261, 0.2398, 0.2656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

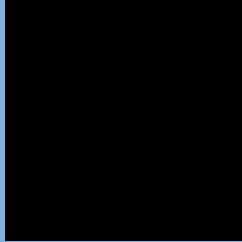
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3261, 0.2398, 0.2656

Background



This preview shows how black text looks on a background with the Yxy color 42.3261, 0.2398, 0.2656.



This preview shows how white text looks on a background with the Yxy color 42.3261, 0.2398, 0.2656.

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

42.3261, 0.2398, 0.2656

Protanopia

41.9233, 0.2669, 0.2645

Deuteranopia

42.2565, 0.2611, 0.2554



Tritanopia

42.4455, 0.2512, 0.3072

Trichromacy



Original Color

42.3261, 0.2398, 0.2656

Protanomaly

41.8029, 0.2562, 0.2645

Deuteranomaly

41.9845, 0.2525, 0.2587

Tritanomaly

42.3020, 0.2468, 0.2908

Monochromacy



Original Color

42.3261, 0.2398, 0.2656

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.7585, 0.2816, 0.3050

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3261, 0.2398, 0.2656 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(122, 180, 227)` looks like.

```
.text, #text, p{  
    color:rgb(122, 180, 227)  
}
```

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(122, 180, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 180, 227) }
```

Border

The CSS property to change the border of an element to Yxy 42.3261, 0.2398, 0.2656 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(122, 180, 227) }
```

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

```
.border{ border-color:rgb(122, 180, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 180, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 180, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 180, 227);  
box-shadow:4px 4px 4px 4px rgb(122, 180,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3261, 0.2398, 0.2656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 180, 227) }
```

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

```
.background{ background-color: rgb(122,  
180, 227) }
```

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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