

Converting Colors

$Y_{xy}(42.1109, 0.2505, 0.2871)$

Have a look what the booklet for
Yxy(42.1109, 0.2505, 0.2871)
contains.

Yxy(42.1109, 0.2505, 0.2871)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.1109, 0.2505, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	7DB5D3
RGB	125, 181, 211
RGB Percent	49%, 71%, 83%
CMY	0.5097, 0.2902, 0.1725
CMYK	0.41, 0.14, 0.00, 0.17
HSL	201°, 49%, 66%
HSV	201°, 41%, 83%
XYZ	36.7425, 42.1109, 67.8233
YIQ	167.6760, -43.0060, -2.5420

Conversions

Conversions Part 2

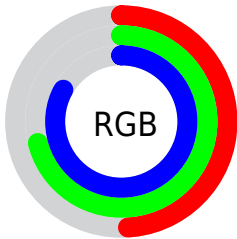
Format	Color
RYB	125, 159, 211
Decimal	8238547
CIELab	70.95, -10.54, -20.90
CIElCh	71, 23.404, 243.236
Yxy	42.1109, 0.2505, 0.2871
Android (android.graphics.Color)	4286428627 (0xFF7DB5D3)
YUV	167.6760, 21.3587, -37.4269
Hunter-Lab	64.8929, -12.4954, -16.5424

Details

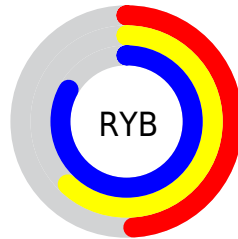
The Yxy color $42.1109, 0.2505, 0.2871$ is a light color, and the websafe version is hex $99CCFF$. A complement of this color would be $38.7867, 0.4000, 0.3668$, and the grayscale version is $38.9038, 0.3127, 0.3290$.

A 20% lighter version of the original color is $77.6121, 0.2684, 0.3092$, and $19.1407, 0.2332, 0.2747$ is the 20% darker color. If you saturate the color by 10%, you get $37.7728, 0.2365, 0.2747$, and if you desaturate by 10%, it is $46.9480, 0.2653, 0.2988$.

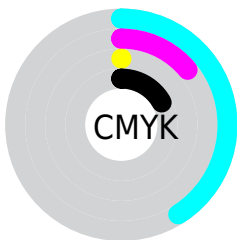
Distribution



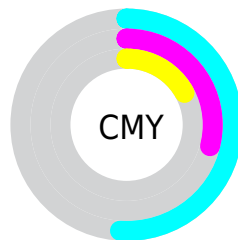
- Red (49%)
- Green (71%)
- Blue (83%)



- Red (49%)
- Yellow (62%)
- Blue (83%)



- Cyan (41%)
- Magenta (14%)
- Yellow (0%)
- Black (17%)



- Cyan (51%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1109, 0.2505, 0.2871 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 42.1109, 0.2505, 0.2871 by changing the saturation by 10% instead.

■ 42.1109, 0.2505,
0.2871

■ 42.1109, 0.2505,
0.2871

■ 354.9425, 0.2814,
0.3087

■ 29.1881, 0.2429,
0.2816

■ 78.3674, 0.2616,
0.2950

■ 19.2232, 0.2333,
0.2744

■ 102.4700, 0.2658,
0.2980

■ 11.8317, 0.2207,
0.2648

■ 131.0680, 0.2694,
0.3005

■ 6.6292, 0.2035,
0.2514

■ 164.5457, 0.2725,
0.3026

■ 3.2313, 0.1790,
0.2313

■ 203.2876, 0.2751,
0.3044

■ 1.2536, 0.1420,
0.1987

■ 247.6781, 0.2775,

■ 0.1049, 0.0000,

0.3060

0.0577

298.1016, 0.2795,
0.3074

0.0000, 0.0000,
0.0000

42.1109, 0.2505,
0.2871

42.1109, 0.2505,
0.2871

37.7728, 0.2365,
0.2747

46.9480, 0.2653,
0.2988

33.9047, 0.2238,
0.2617

52.3011, 0.2807,
0.3096

30.4819, 0.2127,
0.2484

58.1924, 0.2962,
0.3194

27.4742, 0.2036,
0.2349

64.6411, 0.3116,
0.3284

24.8465, 0.1965,
0.2215

71.6652, 0.3266,
0.3364

■ 22.6969, 0.1915,
0.2094

■ 79.2820, 0.3412,
0.3435

■ 83.9877, 0.3424,
0.3507

■ 88.2344, 0.3412,
0.3578

■ 92.6571, 0.3400,
0.3648

Harmonies

Analogous

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



42.1109, 0.2527, 0.3123



42.1109, 0.2505, 0.2871



42.1109, 0.2637, 0.2746

Triad

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



42.1109, 0.2505, 0.2871



42.1109, 0.3561, 0.3125



42.1109, 0.3329, 0.3888

Complementary

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



42.1109, 0.2505, 0.2871



38.7867, 0.4000, 0.3668

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.



42.1109, 0.3624, 0.3853



42.1109, 0.2505, 0.2871



42.1109, 0.3767, 0.3402

Square

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



42.1109, 0.2505, 0.2871



42.1109, 0.3239, 0.2896



42.1109, 0.3788, 0.3667



42.1109, 0.2991, 0.3738

Rectangle

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



42.1109, 0.2505, 0.2871



42.1109, 0.2801, 0.2739



42.1109, 0.3788, 0.3667



42.1109, 0.3437, 0.3897

Sweetspot

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



42.1125, 0.2505, 0.2871



88.0252, 0.2940, 0.3181



53.2768, 0.2899, 0.4111



18.5784, 0.2920, 0.3169



0.0000, 0.0000, 0.0000



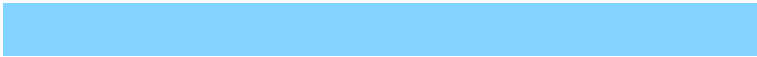
21.4041, 0.3127, 0.3290

Same Dimension

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



42.1125, 0.2505, 0.2871



58.7516, 0.2382, 0.2762



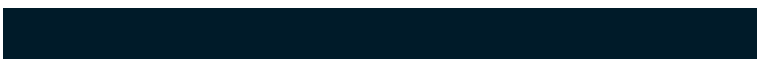
27.6350, 0.2408, 0.2255



12.6835, 0.2983, 0.3207



13.8950, 0.1921, 0.2114



0.9225, 0.1988, 0.2355

Inverse Universe

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



31.8606, 0.3486, 0.2611



41.9612, 0.3595, 0.2472



55.1173, 0.3795, 0.4145



11.9360, 0.3190, 0.3140



9.4740, 0.4326, 0.2157



0.5444, 0.4070, 0.2015

Previews

White Background



This preview shows how the Yxy color 42.1109, 0.2505, 0.2871 looks on a white background.

Color Contrast Check

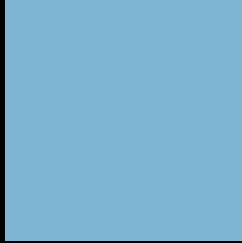
Large Text (above 18pt) WCAG AA × Fail

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 42.1109, 0.2505, 0.2871 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 42.1109, 0.2505, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 42.1109, 0.2505, 0.2871.



This preview shows how white text looks on a background with the Yxy color 42.1109, 0.2505, 0.2871.

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

42.1109, 0.2505, 0.2871

Protanopia

41.6406, 0.2818, 0.2841

Deuteranopia

41.6150, 0.2783, 0.2721



Tritanopia

42.0091, 0.2561, 0.3073

Trichromacy



Original Color

42.1109, 0.2505, 0.2871

Protanomaly

41.7442, 0.2693, 0.2857

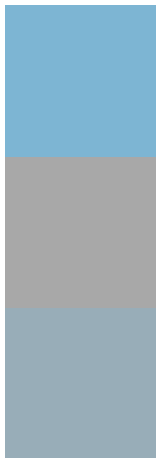
Deuteranomaly

41.4129, 0.2672, 0.2769

Tritanomaly

41.9053, 0.2535, 0.2990

Monochromacy



Original Color

42.1109, 0.2505, 0.2871

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.0232, 0.2861, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1109, 0.2505, 0.2871 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(125, 181, 211)` looks like.

```
.text, #text, p{  
    color:rgb(125, 181, 211)  
}
```

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(125, 181, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 181, 211) }
```

Border

The CSS property to change the border of an element to Yxy 42.1109, 0.2505, 0.2871 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(125, 181, 211) }
```

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

```
.border{ border-color:rgb(125, 181, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 181, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 181, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 181, 211);  
box-shadow:4px 4px 4px 4px rgb(125, 181,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1109, 0.2505, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 181, 211) }
```

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

```
.background{ background-color: rgb(125,  
181, 211) }
```

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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