

Converting Colors

$Y_{xy}(42.2818, 0.2621, 0.3071)$

Have a look what the booklet for
Yxy(42.2818, 0.2621, 0.3071)
contains.

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Color

Yxy(42.2329, 0.2622, 0.3075)

Conversions

Conversions Part 1

Format	Color
Hex	82B6C5
RGB	130, 182, 197
RGB Percent	51%, 71%, 77%
CMY	0.4903, 0.2863, 0.2273
CMYK	0.34, 0.08, 0.00, 0.23
HSL	193°, 37%, 64%
HSV	193°, 34%, 77%
XYZ	36.0113, 42.2329, 59.0986
YIQ	168.1620, -35.8070, -6.3590

Conversions

Conversions Part 2

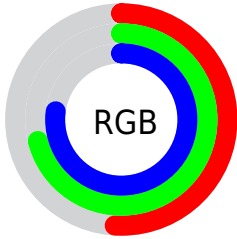
Format	Color
RYB	130, 159, 197
Decimal	8566469
CIELab	71.03, -13.33, -13.09
CIElCh	71, 18.684, 224.471
Yxy	42.2329, 0.2622, 0.3075
Android (android.graphics.Color)	4286756549 (0xFF82B6C5)
YUV	168.1620, 14.2171, -33.4681
Hunter-Lab	64.9868, -14.8145, -8.4271

Details

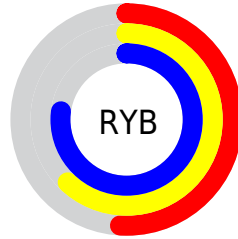
The Yxy color **42.2329, 0.2622, 0.3075** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.7369, 0.3850, 0.3493**, and the grayscale version is **39.1821, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6191, 0.2713, 0.3115**, and **19.2615, 0.2480, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **39.0428, 0.2489, 0.3001**, and if you desaturate by 10%, it is **45.7817, 0.2764, 0.3145**.

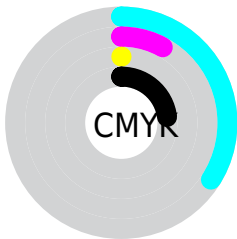
Distribution



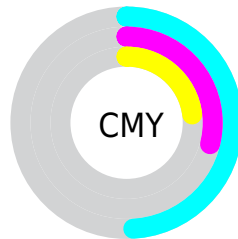
- Red (51%)
- Green (71%)
- Blue (77%)



- Red (51%)
- Yellow (62%)
- Blue (77%)



- Cyan (34%)
- Magenta (8%)
- Yellow (0%)
- Black (23%)



- Cyan (49%)
- Magenta (29%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2329, 0.2622, 0.3075 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 42.2329, 0.2622, 0.3075 by changing the saturation by 10% instead.

■ 42.2329, 0.2622,
0.3075

■ 42.2329, 0.2622,
0.3075

■ 355.4475, 0.2874,
0.3188

■ 29.2837, 0.2559,
0.3045

■ 78.5520, 0.2713,
0.3117

■ 19.2955, 0.2479,
0.3006

■ 102.6907, 0.2748,
0.3133

■ 11.8840, 0.2373,
0.2951

■ 131.3280, 0.2777,
0.3146

■ 6.6648, 0.2226,
0.2873

■ 164.8483, 0.2802,
0.3157

■ 3.2533, 0.2012,
0.2750

■ 203.6360, 0.2824,
0.3166

■ 1.2654, 0.1672,
0.2533

■ 248.0755, 0.2843,

■ 0.1142, 0.0000,

0.3175

0.0988

298.5512, 0.2859,
0.3182

0.0000, 0.0000,
0.0000

42.2329, 0.2622,
0.3075

42.2329, 0.2622,
0.3075

39.0428, 0.2489,
0.3001

45.7817, 0.2764,
0.3145

36.1888, 0.2369,
0.2923

49.7005, 0.2913,
0.3209

33.6531, 0.2265,
0.2842

54.0059, 0.3065,
0.3268

31.4143, 0.2178,
0.2760

58.7123, 0.3218,
0.3321

29.4473, 0.2111,
0.2678

63.8331, 0.3369,
0.3369

■ 27.7222, 0.2063,
0.2596

■ 69.3809, 0.3517,
0.3411

■ 26.7754, 0.2041,
0.2547

■ 72.8398, 0.3561,
0.3454

■ 75.0906, 0.3551,
0.3499

■ 77.4023, 0.3541,
0.3543

Harmonies

Analogous

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



42.2329, 0.2720, 0.3319



42.2329, 0.2622, 0.3075



42.2329, 0.2652, 0.2905

Triad

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



42.2329, 0.2622, 0.3075



42.2329, 0.3320, 0.3035



42.2329, 0.3447, 0.3765

Complementary

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



42.2329, 0.2622, 0.3075



33.7369, 0.3850, 0.3493

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.



42.2329, 0.3621, 0.3662



42.2329, 0.2622, 0.3075



42.2329, 0.3548, 0.3241

Square

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



42.2329, 0.2622, 0.3075



42.2329, 0.3046, 0.2891



42.2329, 0.3660, 0.3468



42.2329, 0.3190, 0.3734

Rectangle

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



42.2329, 0.2622, 0.3075



42.2329, 0.2741, 0.2850



42.2329, 0.3660, 0.3468



42.2329, 0.3517, 0.3744

Sweetspot

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



42.2346, 0.2622, 0.3075



91.8881, 0.2972, 0.3232



46.7216, 0.2984, 0.4071



19.4364, 0.2950, 0.3224



0.0000, 0.0000, 0.0000



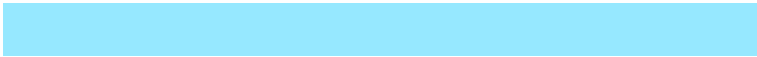
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2346, 0.2622, 0.3075



71.2175, 0.2520, 0.3019



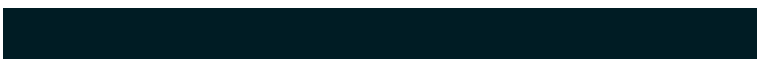
30.2621, 0.2558, 0.2578



11.6487, 0.2984, 0.3237



17.7334, 0.2044, 0.2558



0.9419, 0.2091, 0.2728

Inverse Universe

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



31.2099, 0.3319, 0.2626



49.0183, 0.3375, 0.2479



45.3406, 0.3708, 0.3911



10.7744, 0.3171, 0.3113



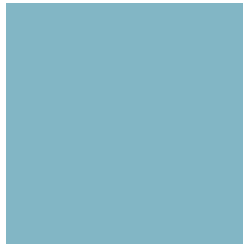
9.3302, 0.3865, 0.1903



0.4521, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 42.2329, 0.2622, 0.3075 looks on a white background.

Color Contrast Check

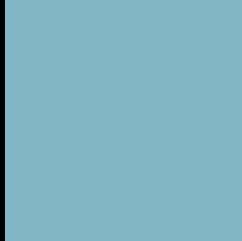
Large Text (above 18pt) WCAG AA × Fail

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 42.2329, 0.2622, 0.3075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

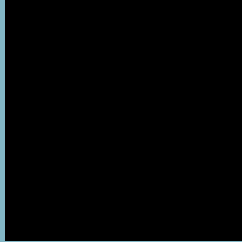
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

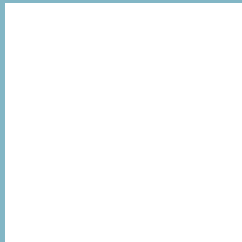
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2329, 0.2622, 0.3075

Background



This preview shows how black text looks on a background with the Yxy color 42.2329, 0.2622, 0.3075.



This preview shows how white text looks on a background with the Yxy color 42.2329, 0.2622, 0.3075.

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

42.2329, 0.2622, 0.3075

Protanopia

41.9246, 0.2965, 0.3036

Deuteranopia

41.8932, 0.2946, 0.2887



Tritanopia

42.2329, 0.2622, 0.3075

Trichromacy



Original Color

42.2329, 0.2622, 0.3075

Protanomaly

41.9688, 0.2830, 0.3056

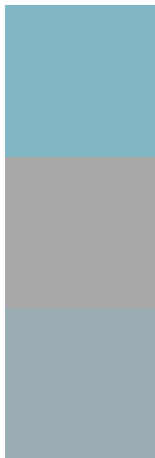
Deuteranomaly

41.8692, 0.2816, 0.2952

Tritanomaly

42.2329, 0.2622, 0.3075

Monochromacy



Original Color

42.2329, 0.2622, 0.3075

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

40.0118, 0.2916, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2329, 0.2622, 0.3075 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(130, 182, 197)` looks like.

```
.text, #text, p{  
    color:rgb(130, 182, 197)  
}
```

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(130, 182, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 182, 197) }
```

Border

The CSS property to change the border of an element to Yxy 42.2329, 0.2622, 0.3075 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(130, 182, 197) }
```

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

```
.border{ border-color:rgb(130, 182, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 182, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 182, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 182, 197);  
box-shadow:4px 4px 4px 4px rgb(130, 182,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2329, 0.2622, 0.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 182, 197) }
```

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

```
.background{ background-color: rgb(130,  
182, 197) }
```

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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