

Converting Colors

$Yxy(42.7982, 0.2425, 0.3033)$

Have a look what the booklet for
Yxy(42.7982, 0.2425, 0.3033)
contains.

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Color

Yxy(42.7151, 0.2421, 0.3028)

Conversions

Conversions Part 1

Format	Color
Hex	65BBCD
RGB	101, 187, 205
RGB Percent	40%, 73%, 80%
CMY	0.6041, 0.2666, 0.1961
CMYK	0.51, 0.09, 0.00, 0.20
HSL	190°, 51%, 60%
HSV	190°, 51%, 80%
XYZ	34.1523, 42.7151, 64.1996
YIQ	163.3380, -57.0340, -12.6340

Conversions

Conversions Part 2

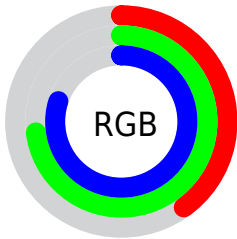
Format	Color
RYB	101, 148, 205
Decimal	6667213
CIELab	71.36, -21.09, -17.09
CIELCh	71, 27.143, 219.010
Yxy	42.7151, 0.2421, 0.3028
Android (android.graphics.Color)	4284857293 (0xFF65BBCD)
YUV	163.3380, 20.5394, -54.6704
Hunter-Lab	65.3568, -21.0988, -12.4905

Details

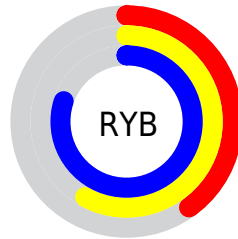
The Yxy color **42.7151, 0.2421, 0.3028** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.0982, 0.4433, 0.3522**, and the grayscale version is **36.7112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5903, 0.2576, 0.3154**, and **19.6966, 0.2229, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **40.1925, 0.2318, 0.2967**, and if you desaturate by 10%, it is **45.5731, 0.2540, 0.3087**.

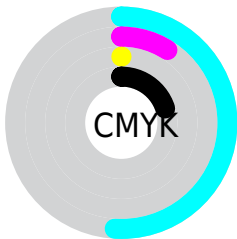
Distribution



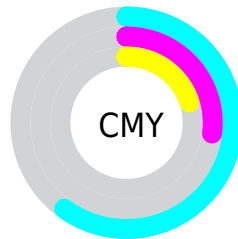
- Red (40%)
- Green (73%)
- Blue (80%)



- Red (40%)
- Yellow (58%)
- Blue (80%)



- Cyan (51%)
- Magenta (9%)
- Yellow (0%)
- Black (20%)



- Cyan (60%)
- Magenta (27%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.7151, 0.2421, 0.3028 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 42.7151, 0.2421, 0.3028 by changing the saturation by 10% instead.

■ 42.7151, 0.2421,
0.3028

■ 42.7151, 0.2421,
0.3028

■ 357.4388, 0.2769,
0.3169

■ 29.6616, 0.2336,
0.2990

■ 79.2808, 0.2546,
0.3081

■ 19.5819, 0.2228,
0.2940

■ 103.5617, 0.2594,
0.3101

■ 12.0915, 0.2088,
0.2871

■ 132.3540, 0.2634,
0.3117

■ 6.8060, 0.1898,
0.2770

■ 166.0420, 0.2669,
0.3131

■ 3.3411, 0.1629,
0.2612

■ 205.0101, 0.2699,
0.3142

■ 1.3123, 0.1214,
0.2342

■ 249.6427, 0.2725,

■ 0.1507, 0.0000,

0.3152

0.0963

300.3241, 0.2749,
0.3161

■ 0.0000, 0.0000,
0.0000

■ 42.7151, 0.2421,
0.3028

■ 42.7151, 0.2421,
0.3028

■ 40.1925, 0.2318,
0.2967

■ 45.5731, 0.2540,
0.3087

■ 37.9778, 0.2233,
0.2905

■ 48.7819, 0.2672,
0.3142

■ 36.0468, 0.2167,
0.2843

■ 52.3618, 0.2814,
0.3194

■ 34.3688, 0.2120,
0.2781

■ 56.3300, 0.2963,
0.3243

■ 32.9905, 0.2090,
0.2724

■ 60.7023, 0.3116,
0.3287

■ 65.4939, 0.3270,
0.3327

■ 70.7190, 0.3423,
0.3363

■ 74.4536, 0.3497,
0.3397

■ 76.2823, 0.3490,
0.3432

Harmonies

Analogous

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



42.7151, 0.2586, 0.3395



42.7151, 0.2421, 0.3028



42.7151, 0.2431, 0.2766

Triad

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



42.7151, 0.2421, 0.3028



42.7151, 0.3331, 0.2883



42.7151, 0.3640, 0.3963

Complementary

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



42.7151, 0.2421, 0.3028



27.0982, 0.4433, 0.3522

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.



42.7151, 0.3868, 0.3770



42.7151, 0.2421, 0.3028



42.7151, 0.3688, 0.3157

Square

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



42.7151, 0.2421, 0.3028



42.7151, 0.2935, 0.2703



42.7151, 0.3889, 0.3475



42.7151, 0.3282, 0.3969

Rectangle

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



42.7151, 0.2421, 0.3028



42.7151, 0.2534, 0.2676



42.7151, 0.3889, 0.3475



42.7151, 0.3735, 0.3915

Sweetspot

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



42.7167, 0.2421, 0.3028



89.3064, 0.2896, 0.3222



47.7405, 0.2957, 0.4632



18.8198, 0.2864, 0.3211



0.0000, 0.0000, 0.0000



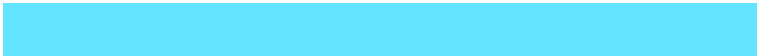
21.4041, 0.3127, 0.3290

Same Dimension

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



42.7167, 0.2421, 0.3028



65.4438, 0.2308, 0.2961



24.6785, 0.2264, 0.2223



12.3841, 0.2983, 0.3249



20.6620, 0.2093, 0.2733



1.1551, 0.2126, 0.2853

Inverse Universe

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



25.8663, 0.3384, 0.2257



35.8766, 0.3457, 0.2075



42.7861, 0.4070, 0.4150



11.3692, 0.3164, 0.3100



9.8888, 0.3697, 0.1810



0.5192, 0.3586, 0.1749

Previews

White Background



This preview shows how the Yxy color 42.7151, 0.2421, 0.3028 looks on a white background.

Color Contrast Check

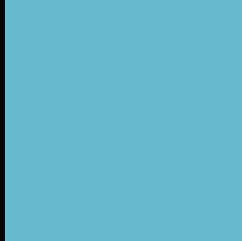
Large Text (above 18pt) WCAG AA × Fail

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 42.7151, 0.2421, 0.3028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

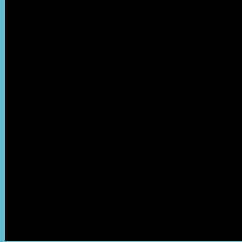
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.7151, 0.2421, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 42.7151, 0.2421, 0.3028.



This preview shows how white text looks on a background with the Yxy color 42.7151, 0.2421, 0.3028.

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

42.7151, 0.2421, 0.3028

Protanopia

42.0366, 0.2918, 0.2971

Deuteranopia

42.2371, 0.2845, 0.2787



Tritanopia

42.5618, 0.2427, 0.3055

Trichromacy



Original Color

42.7151, 0.2421, 0.3028

Protanomaly

41.5875, 0.2706, 0.2984

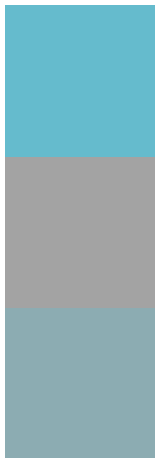
Deuteranomaly

41.8078, 0.2659, 0.2855

Tritanomaly

42.6096, 0.2422, 0.3041

Monochromacy



Original Color

42.7151, 0.2421, 0.3028

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

38.2948, 0.2809, 0.3201

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.7151, 0.2421, 0.3028 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(101, 187, 205)` looks like.

```
.text, #text, p{  
    color:rgb(101, 187, 205)  
}
```

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(101, 187, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 187, 205) }
```

Border

The CSS property to change the border of an element to Yxy 42.7151, 0.2421, 0.3028 is called "border". The border property can be set on classes, ids or directly on the HTML element.

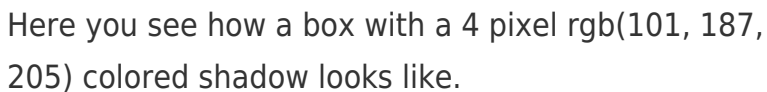
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(101, 187, 205) }
```

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

```
.border{ border-color:rgb(101, 187, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(101, 187, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 187, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 187, 205);  
box-shadow:4px 4px 4px 4px rgb(101, 187,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 42.7151, 0.2421, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 187, 205) }
```

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

```
.background{ background-color: rgb(101,  
187, 205) }
```

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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