

Converting Colors

$Y_{xy}(42.8392, 0.2262, 0.2833)$

Have a look what the booklet for
Yxy(42.8392, 0.2262, 0.2833)
contains.

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Color

Yxy(42.8392, 0.2262, 0.2833)

Conversions

Conversions Part 1

Format	Color
Hex	50BCDC
RGB	80, 188, 220
RGB Percent	31%, 74%, 86%
CMY	0.6865, 0.2627, 0.1373
CMYK	0.64, 0.15, 0.00, 0.14
HSL	194°, 67%, 59%
HSV	194°, 64%, 86%
XYZ	34.2048, 42.8392, 74.1709
YIQ	159.3560, -74.6400, -12.9440

Conversions

Conversions Part 2

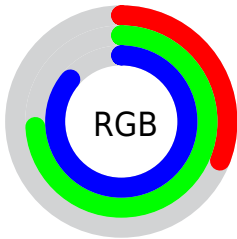
Format	Color
RYB	80, 141, 220
Decimal	5291228
CIELab	71.45, -21.27, -25.21
CIElCh	71, 32.985, 229.838
Yxy	42.8392, 0.2262, 0.2833
Android (android.graphics.Color)	4283481308 (0xFF50BCDC)
YUV	159.3560, 29.8975, -69.5952
Hunter-Lab	65.4517, -21.2569, -21.3723

Details

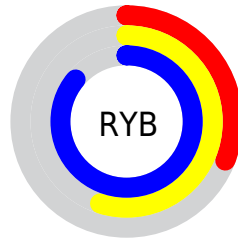
The Yxy color **42.8392, 0.2262, 0.2833** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted azure. A complement of this color would be **27.3649, 0.4897, 0.3647**, and the grayscale version is **34.7224, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6722, 0.2507, 0.3163**, and **20.0446, 0.2084, 0.2703** is the 20% darker color. If you saturate the color by 10%, you get **39.9261, 0.2175, 0.2749**, and if you desaturate by 10%, it is **46.1434, 0.2368, 0.2916**.

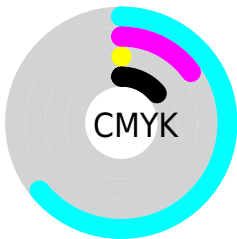
Distribution



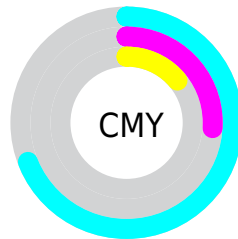
- Red (31%)
- Green (74%)
- Blue (86%)



- Red (31%)
- Yellow (55%)
- Blue (86%)



- Cyan (64%)
- Magenta (15%)
- Yellow (0%)
- Black (14%)



- Cyan (69%)
- Magenta (26%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8392, 0.2262, 0.2833 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 42.8392, 0.2262, 0.2833 by changing the saturation by 10% instead.

■ 42.8392, 0.2262,
0.2833

■ 42.8392, 0.2262,
0.2833

■ 357.9501, 0.2684,
0.3073

■ 29.7590, 0.2161,
0.2771

■ 79.4682, 0.2412,
0.2922

■ 19.6557, 0.2035,
0.2689

■ 103.7857, 0.2469,
0.2955

■ 12.1450, 0.1873,
0.2580

■ 132.6177, 0.2518,
0.2983

■ 6.8425, 0.1659,
0.2427

■ 166.3487, 0.2561,
0.3006

■ 3.3638, 0.1367,
0.2198

■ 205.3631, 0.2597,
0.3027

■ 1.3245, 0.0951,
0.1839

■ 250.0451, 0.2630,

■ 0.1600, 0.0000,

0.3044

0.0651

300.7793, 0.2658,
0.3059

■ 0.0000, 0.0000,
0.0000

■ 42.8392, 0.2262,
0.2833

■ 42.8392, 0.2262,
0.2833

■ 39.9261, 0.2175,
0.2749

■ 46.1434, 0.2368,
0.2916

■ 37.3669, 0.2107,
0.2664

■ 49.8624, 0.2489,
0.2996

■ 35.1234, 0.2059,
0.2580

■ 54.0232, 0.2623,
0.3072

■ 33.8243, 0.2035,
0.2527

■ 58.6487, 0.2767,
0.3143

■ 63.7602, 0.2917,
0.3209

■ 69.3776, 0.3071,
0.3269

■ 75.5193, 0.3225,
0.3324

■ 82.0250, 0.3370,
0.3373

■ 84.8328, 0.3363,
0.3422

Harmonies

Analogous

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



42.8392, 0.2382, 0.3242



42.8392, 0.2262, 0.2833



42.8392, 0.2349, 0.2590

Triad

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



42.8392, 0.2262, 0.2833



42.8392, 0.3543, 0.2909



42.8392, 0.3597, 0.4143

Complementary

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



42.8392, 0.2262, 0.2833



27.3649, 0.4897, 0.3647

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.



42.8392, 0.3947, 0.3966



42.8392, 0.2262, 0.2833



42.8392, 0.3927, 0.3258

Square

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



42.8392, 0.2262, 0.2833



42.8392, 0.3060, 0.2651



42.8392, 0.4076, 0.3637



42.8392, 0.3136, 0.4062

Rectangle

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



42.8392, 0.2262, 0.2833



42.8392, 0.2516, 0.2532



42.8392, 0.4076, 0.3637



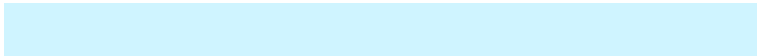
42.8392, 0.3732, 0.4108

Sweetspot

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



42.8408, 0.2262, 0.2833



85.0833, 0.2834, 0.3174



54.0181, 0.2902, 0.4941



17.7787, 0.2791, 0.3154



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.



42.8408, 0.2262, 0.2833



54.6790, 0.2152, 0.2723



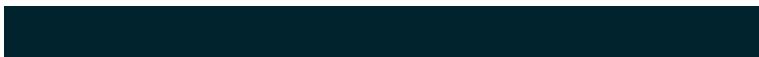
20.2124, 0.2017, 0.1781



14.2990, 0.2982, 0.3235



20.0279, 0.2039, 0.2540



1.4233, 0.2077, 0.2676

Inverse Universe

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



24.5748, 0.3568, 0.2115



29.3091, 0.3687, 0.1978



48.5618, 0.4290, 0.4400



13.2213, 0.3172, 0.3111



10.6456, 0.3883, 0.1913



0.7024, 0.3751, 0.1840

Previews

White Background



This preview shows how the Yxy color 42.8392, 0.2262, 0.2833 looks on a white background.

Color Contrast Check

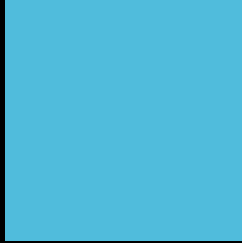
Large Text (above 18pt) WCAG AA × Fail

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 42.8392, 0.2262, 0.2833 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 42.8392, 0.2262, 0.2833

Background



This preview shows how black text looks on a background with the Yxy color 42.8392, 0.2262, 0.2833.

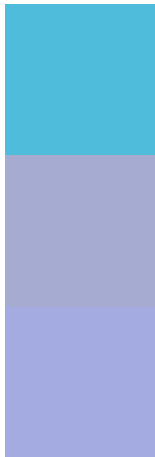


This preview shows how white text looks on a background with the Yxy color 42.8392, 0.2262, 0.2833.

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

42.8392, 0.2262, 0.2833

Protanopia

42.2155, 0.2791, 0.2806

Deuteranopia

42.4002, 0.2672, 0.2615



Tritanopia

42.6996, 0.2308, 0.3051

Trichromacy



Original Color

42.8392, 0.2262, 0.2833

Protanomaly

41.7958, 0.2550, 0.2810

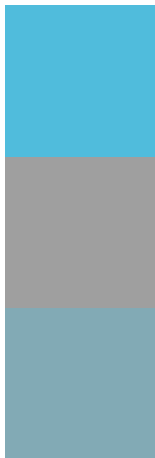
Deuteranomaly

41.7585, 0.2477, 0.2672

Tritanomaly

42.6348, 0.2292, 0.2967

Monochromacy



Original Color

42.8392, 0.2262, 0.2833

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

36.8315, 0.2708, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8392, 0.2262, 0.2833 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(80, 188, 220)` looks like.

```
.text, #text, p{  
    color:rgb(80, 188, 220)  
}
```

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(80, 188, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 188, 220) }
```

Border

The CSS property to change the border of an element to Yxy 42.8392, 0.2262, 0.2833 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(80, 188, 220) }
```

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

```
.border{ border-color:rgb(80, 188, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 188, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 188, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 188, 220);  
box-shadow:4px 4px 4px 4px rgb(80, 188,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8392, 0.2262, 0.2833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 188, 220) }
```

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

```
.background{ background-color: rgb(80, 188,  
220) }
```

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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