

Converting Colors

$Y_{xy}(42.2239, 0.2556, 0.3048)$

Have a look what the booklet for
Yxy(42.2239, 0.2556, 0.3048)
contains.

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Color

Yxy(42.1747, 0.2555, 0.3046)

Conversions

Conversions Part 1

Format	Color
Hex	7AB7C8
RGB	122, 183, 200
RGB Percent	48%, 72%, 78%
CMY	0.5218, 0.2823, 0.2158
CMYK	0.39, 0.08, 0.00, 0.22
HSL	193°, 41%, 63%
HSV	193°, 39%, 78%
XYZ	35.3763, 42.1747, 60.9082
YIQ	166.6990, -41.8130, -7.6450

Conversions

Conversions Part 2

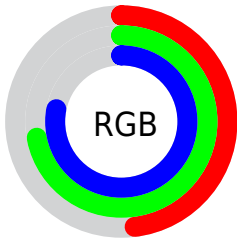
Format	Color
R _{YB}	122, 156, 200
Decimal	8042440
CIE Lab	70.99, -15.30, -14.81
CIE LCh	71, 21.291, 224.062
Yxy	42.1747, 0.2555, 0.3046
Android (android.graphics.Color)	4286232520 (0xFF7AB7C8)
YUV	166.6990, 16.4174, -39.2010
Hunter-Lab	64.9421, -16.4130, -10.1478

Details

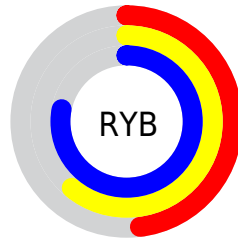
The Yxy color **42.1747, 0.2555, 0.3046** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.1183, 0.4001, 0.3517**, and the grayscale version is **38.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3001, 0.2666, 0.3113**, and **19.2695, 0.2396, 0.2968** is the 20% darker color. If you saturate the color by 10%, you get **39.0985, 0.2429, 0.2972**, and if you desaturate by 10%, it is **45.6099, 0.2693, 0.3116**.

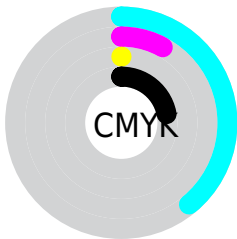
Distribution



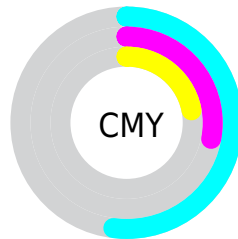
- Red (48%)
- Green (72%)
- Blue (78%)



- Red (48%)
- Yellow (61%)
- Blue (78%)



- Cyan (39%)
- Magenta (8%)
- Yellow (0%)
- Black (22%)



- Cyan (52%)
- Magenta (28%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.1747, 0.2555, 0.3046 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 42.1747, 0.2555, 0.3046 by changing the saturation by 10% instead.

■ 42.1747, 0.2555,
0.3046

■ 42.1747, 0.2555,
0.3046

■ 355.2066, 0.2840,
0.3175

■ 29.2381, 0.2485,
0.3012

■ 78.4640, 0.2658,
0.3094

■ 19.2610, 0.2395,
0.2967

■ 102.5854, 0.2697,
0.3112

■ 11.8590, 0.2276,
0.2905

■ 131.2040, 0.2730,
0.3127

■ 6.6478, 0.2114,
0.2815

■ 164.7040, 0.2758,
0.3140

■ 3.2428, 0.1878,
0.2674

■ 203.4698, 0.2783,
0.3150

■ 1.2598, 0.1510,
0.2430

■ 247.8860, 0.2804,

■ 0.1097, 0.0000,

0.3160

0.0859

298.3368, 0.2823,
0.3168

■ 0.0000, 0.0000,
0.0000

■ 42.1747, 0.2555,
0.3046

■ 42.1747, 0.2555,
0.3046

■ 39.0985, 0.2429,
0.2972

■ 45.6099, 0.2693,
0.3116

■ 36.3573, 0.2317,
0.2895

■ 49.4167, 0.2838,
0.3181

■ 33.9316, 0.2222,
0.2816

■ 53.6128, 0.2989,
0.3241

■ 31.7975, 0.2147,
0.2736

■ 58.2135, 0.3142,
0.3295

■ 29.9269, 0.2090,
0.2657

■ 63.2329, 0.3295,
0.3344

■ 28.2730, 0.2051,
0.2578

■ 68.6845, 0.3445,
0.3388

■ 28.1173, 0.2047,
0.2570

■ 73.2438, 0.3538,
0.3429

■ 75.4664, 0.3529,
0.3473

■ 77.7481, 0.3520,
0.3516

Harmonies

Analogous

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



42.1747, 0.2666, 0.3325



42.1747, 0.2555, 0.3046



42.1747, 0.2587, 0.2853

Triad

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



42.1747, 0.2555, 0.3046



42.1747, 0.3342, 0.2998



42.1747, 0.3493, 0.3832

Complementary

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



42.1747, 0.2555, 0.3046



32.1183, 0.4001, 0.3517

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.



42.1747, 0.3692, 0.3708



42.1747, 0.2555, 0.3046



42.1747, 0.3605, 0.3230

Square

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



42.1747, 0.2555, 0.3046



42.1747, 0.3029, 0.2837



42.1747, 0.3736, 0.3486



42.1747, 0.3202, 0.3801

Rectangle

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



42.1747, 0.2555, 0.3046



42.1747, 0.2686, 0.2792



42.1747, 0.3736, 0.3486



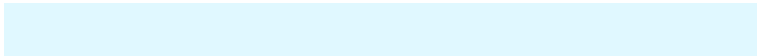
42.1747, 0.3574, 0.3806

Sweetspot

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



42.1763, 0.2555, 0.3046



90.4802, 0.2941, 0.3222



47.2933, 0.2965, 0.4209



19.1581, 0.2921, 0.3215



0.0000, 0.0000, 0.0000



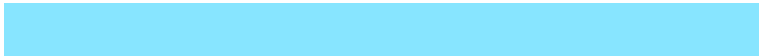
21.4041, 0.3127, 0.3290

Same Dimension

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



42.1763, 0.2555, 0.3046



68.3920, 0.2445, 0.2982



28.2645, 0.2466, 0.2452



11.6611, 0.2984, 0.3239



18.0175, 0.2050, 0.2581



0.9532, 0.2096, 0.2746

Inverse Universe

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



29.6006, 0.3350, 0.2522



44.2840, 0.3415, 0.2360



45.4698, 0.3805, 0.4003



10.7756, 0.3170, 0.3111



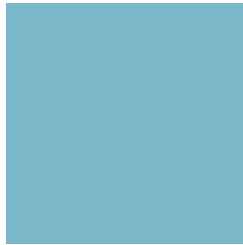
9.3589, 0.3842, 0.1890



0.4532, 0.3685, 0.1804

Previews

White Background



This preview shows how the Yxy color 42.1747, 0.2555, 0.3046 looks on a white background.

Color Contrast Check

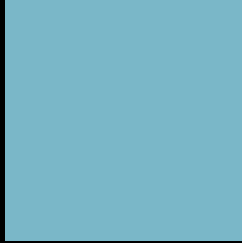
Large Text (above 18pt) WCAG AA × Fail

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 42.1747, 0.2555, 0.3046 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

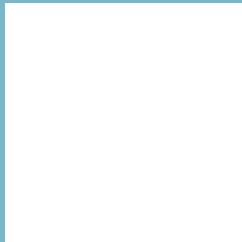
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1747, 0.2555, 0.3046

Background



This preview shows how black text looks on a background with the Yxy color 42.1747, 0.2555, 0.3046.



This preview shows how white text looks on a background with the Yxy color 42.1747, 0.2555, 0.3046.

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

42.1747, 0.2555, 0.3046

Protanopia

41.9014, 0.2941, 0.3009

Deuteranopia

41.8017, 0.2906, 0.2848



Tritanopia

42.0091, 0.2561, 0.3073

Trichromacy



Original Color

42.1747, 0.2555, 0.3046

Protanomaly

41.8085, 0.2785, 0.3014

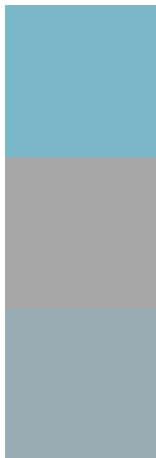
Deuteranomaly

41.6043, 0.2764, 0.2911

Tritanomaly

42.0554, 0.2555, 0.3059

Monochromacy



Original Color

42.1747, 0.2555, 0.3046

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.7211, 0.2891, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1747, 0.2555, 0.3046 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, 183, 200)` looks like.

```
.text, #text, p{  
    color:rgb(122, 183, 200)  
}
```

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, 183, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 183, 200) }
```

Border

The CSS property to change the border of an element to Yxy 42.1747, 0.2555, 0.3046 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, 183, 200) }
```

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

```
.border{ border-color:rgb(122, 183, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 183, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 183, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 183, 200);  
box-shadow:4px 4px 4px 4px rgb(122, 183,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1747, 0.2555, 0.3046 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 183, 200) }
```

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

```
.background{ background-color: rgb(122,  
183, 200) }
```

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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