

Converting Colors

$Yxy(42.1875, 0.2551, 0.3087)$

Have a look what the booklet for
Yxy(42.1875, 0.2551, 0.3087)
contains.

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Color

Yxy(42.2801, 0.2551, 0.3087)

Conversions

Conversions Part 1

Format	Color
Hex	77B8C6
RGB	119, 184, 198
RGB Percent	47%, 72%, 78%
CMY	0.5334, 0.2784, 0.2235
CMYK	0.40, 0.07, 0.00, 0.22
HSL	191°, 41%, 62%
HSV	191°, 40%, 78%
XYZ	34.9389, 42.2801, 59.7427
YIQ	166.1610, -43.2340, -9.4260

Conversions

Conversions Part 2

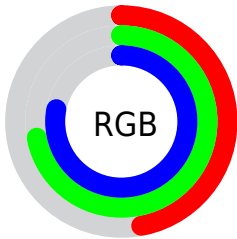
Format	Color
R_{YB}	119, 155, 198
Decimal	7846086
CIE _{Lab}	71.06, -17.10, -13.62
CIE _{LCh}	71, 21.864, 218.545
Yxy	42.2801, 0.2551, 0.3087
Android (android.graphics.Color)	4286036166 (0xFF77B8C6)
YUV	166.1610, 15.6966, -41.3602
Hunter-Lab	65.0231, -17.8769, -8.9590

Details

The Yxy color **42.2801, 0.2551, 0.3087** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.1050, 0.4045, 0.3480**, and the grayscale version is **38.1525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5388, 0.2651, 0.3123**, and **19.3700, 0.2395, 0.3026** is the 20% darker color. If you saturate the color by 10%, you get **39.5854, 0.2431, 0.3027**, and if you desaturate by 10%, it is **45.3060, 0.2684, 0.3144**.

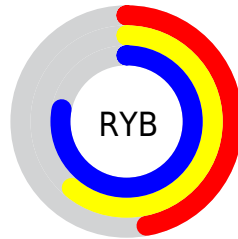
Distribution



Red (47%)

Green (72%)

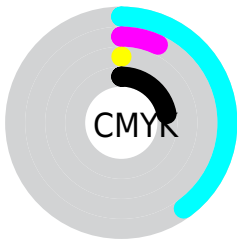
Blue (78%)



Red (47%)

Yellow (61%)

Blue (78%)

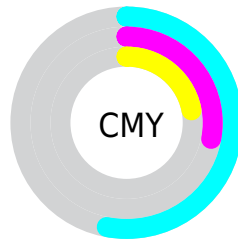


Cyan (40%)

Magenta (7%)

Yellow (0%)

Black (22%)



Cyan (53%)


Magenta (28%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2801, 0.2551, 0.3087 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 42.2801, 0.2551, 0.3087 by changing the saturation by 10% instead.


 42.2801, 0.2551,
0.3087


 42.2801, 0.2551,
0.3087

355.6427, 0.2838,
0.3196

 29.3207, 0.2480,
0.3058


 78.6234, 0.2655,
0.3128

 19.3235, 0.2390,
0.3019


 102.7760, 0.2694,
0.3143

 11.9043, 0.2270,
0.2965


 131.4285, 0.2727,
0.3156

 6.6785, 0.2107,
0.2887

164.9653, 0.2755,
0.3166

 3.2619, 0.1869,
0.2762

203.7707, 0.2780,
0.3175

 1.2699, 0.1494,
0.2541

248.2291, 0.2802,

 0.1177, 0.0000,

0.3183

0.0979

298.7250, 0.2821,
0.3190

0.0000, 0.0000,
0.0000

42.2801, 0.2551,
0.3087

42.2801, 0.2551,
0.3087

39.5854, 0.2431,
0.3027

45.3060, 0.2684,
0.3144

37.1984, 0.2326,
0.2966

48.6751, 0.2827,
0.3197

35.1001, 0.2238,
0.2902

52.4048, 0.2976,
0.3246

33.2673, 0.2170,
0.2838

56.5096, 0.3129,
0.3290

31.6723, 0.2121,
0.2775

61.0033, 0.3282,
0.3331

■ 30.2629, 0.2087,
0.2712

■ 65.8990, 0.3435,
0.3367

■ 30.2499, 0.2087,
0.2711

■ 70.7160, 0.3563,
0.3400

■ 72.4504, 0.3556,
0.3435

■ 74.2228, 0.3548,
0.3471

Harmonies

Analogous

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



42.2801, 0.2691, 0.3382



42.2801, 0.2551, 0.3087



42.2801, 0.2556, 0.2869

Triad

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



42.2801, 0.2551, 0.3087



42.2801, 0.3289, 0.2953



42.2801, 0.3549, 0.3833

Complementary

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



42.2801, 0.2551, 0.3087



30.1050, 0.4045, 0.3480

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.



42.2801, 0.3728, 0.3682



42.2801, 0.2551, 0.3087



42.2801, 0.3576, 0.3181

Square

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



42.2801, 0.2551, 0.3087



42.2801, 0.2969, 0.2807



42.2801, 0.3740, 0.3442



42.2801, 0.3262, 0.3834

Rectangle

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



42.2801, 0.2551, 0.3087



42.2801, 0.2641, 0.2791



42.2801, 0.3740, 0.3442



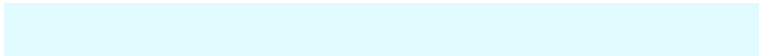
42.2801, 0.3625, 0.3797

Sweetspot

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



42.2817, 0.2551, 0.3087



91.2430, 0.2942, 0.3235



45.9777, 0.2988, 0.4296



19.3385, 0.2922, 0.3228



0.0000, 0.0000, 0.0000



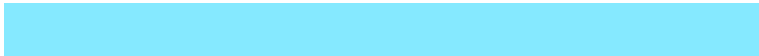
21.4041, 0.3127, 0.3290

Same Dimension

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



42.2817, 0.2551, 0.3087



70.6377, 0.2444, 0.3035



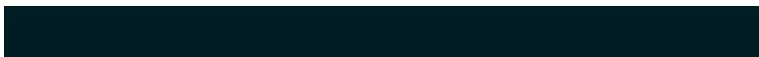
28.3473, 0.2459, 0.2492



11.7357, 0.2984, 0.3248



19.7858, 0.2089, 0.2720



1.0230, 0.2125, 0.2851

Inverse Universe

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



28.6563, 0.3321, 0.2469



43.8277, 0.3376, 0.2300



42.7124, 0.3841, 0.3972



10.7831, 0.3164, 0.3102



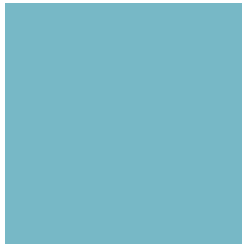
9.5374, 0.3709, 0.1817



0.4603, 0.3588, 0.1750

Previews

White Background



This preview shows how the Yxy color 42.2801, 0.2551, 0.3087 looks on a white background.

Color Contrast Check

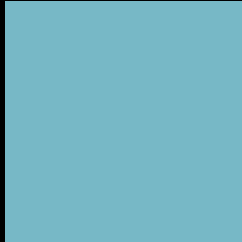
Large Text (above 18pt) WCAG AA × Fail

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 42.2801, 0.2551, 0.3087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

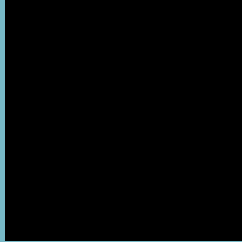
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

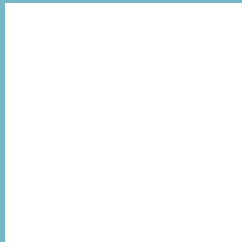
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2801, 0.2551, 0.3087

Background



This preview shows how black text looks on a background with the Yxy color 42.2801, 0.2551, 0.3087.



This preview shows how white text looks on a background with the Yxy color 42.2801, 0.2551, 0.3087.

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

42.2801, 0.2551, 0.3087

Protanopia

41.8807, 0.2973, 0.3049

Deuteranopia

41.9401, 0.2938, 0.2875



Tritanopia

42.3264, 0.2545, 0.3073

Trichromacy



Original Color

42.2801, 0.2551, 0.3087

Protanomaly

41.5763, 0.2798, 0.3054

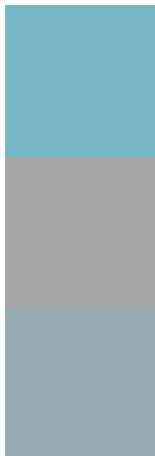
Deuteranomaly

41.5102, 0.2778, 0.2936

Tritanomaly

42.3264, 0.2545, 0.3073

Monochromacy



Original Color

42.2801, 0.2551, 0.3087

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

39.4911, 0.2882, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2801, 0.2551, 0.3087 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(119, 184, 198)` looks like.

```
.text, #text, p{  
    color:rgb(119, 184, 198)  
}
```

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(119, 184, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 184, 198) }
```

Border

The CSS property to change the border of an element to Yxy 42.2801, 0.2551, 0.3087 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(119, 184, 198) }
```

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

```
.border{ border-color:rgb(119, 184, 198) }
```

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

Here you see how a box with a 4 pixel rgb(119, 184, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 184, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 184, 198);  
box-shadow:4px 4px 4px 4px rgb(119, 184,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2801, 0.2551, 0.3087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 184, 198) }
```

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

```
.background{ background-color: rgb(119,  
184, 198) }
```

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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