

Converting Colors

$Yxy(42.2941, 0.2446, 0.3266)$

Have a look what the booklet for
Yxy(42.2941, 0.2446, 0.3266)
contains.

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Color

Yxy(42.2806, 0.2444, 0.3258)

Conversions

Conversions Part 1

Format	Color
Hex	59BDBF
RGB	89, 189, 191
RGB Percent	35%, 74%, 75%
CMY	0.6512, 0.2588, 0.2510
CMYK	0.53, 0.01, 0.00, 0.25
HSL	181°, 44%, 55%
HSV	181°, 53%, 75%
XYZ	31.7169, 42.2806, 55.7772
YIQ	159.3280, -60.2420, -20.5780

Conversions

Conversions Part 2

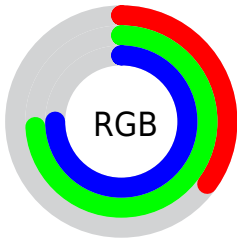
Format	Color
R_{YB}	89, 139, 191
Decimal	5881279
CIE _{Lab}	71.06, -28.47, -9.92
CIE _{LCh}	71, 30.147, 199.207
Yxy	42.2806, 0.2444, 0.3258
Android (android.graphics.Color)	4284071359 (0xFF59BDBF)
YUV	159.3280, 15.6143, -61.6777
Hunter-Lab	65.0235, -26.7231, -5.3425

Details

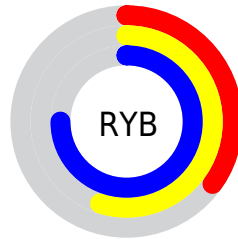
The Yxy color **42.2806, 0.2444, 0.3258** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **19.2674, 0.4657, 0.3321**, and the grayscale version is **34.7714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8300, 0.2568, 0.3277**, and **19.2645, 0.2250, 0.3223** is the 20% darker color. If you saturate the color by 10%, you get **41.2976, 0.2365, 0.3251**, and if you desaturate by 10%, it is **43.5123, 0.2541, 0.3265**.

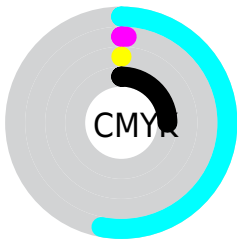
Distribution



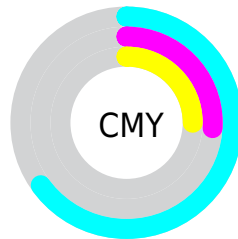
- Red (35%)
- Green (74%)
- Blue (75%)



- Red (35%)
- Yellow (55%)
- Blue (75%)



- Cyan (53%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)




- Cyan (65%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2806, 0.2444, 0.3258 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 42.2806, 0.2444, 0.3258 by changing the saturation by 10% instead.


 42.2806, 0.2444,
0.3258


 42.2806, 0.2444,
0.3258


355.6448, 0.2784,
0.3283

 29.3211, 0.2360,
0.3249


 78.6241, 0.2567,
0.3269


 19.3238, 0.2254,
0.3236


 102.7769, 0.2613,
0.3272

 11.9045, 0.2113,
0.3216


 131.4296, 0.2652,
0.3275

 6.6787, 0.1921,
0.3182

 164.9665, 0.2686,
0.3277

 3.2620, 0.1645,
0.3119

203.7721, 0.2715,
0.3279

 1.2700, 0.1116,
0.3021

248.2308, 0.2741,

 0.1178, 0.0000,

0.3280

0.1254

298.7269, 0.2764,
0.3282

0.0000, 0.0000,
0.0000

42.2806, 0.2444,
0.3258

42.2806, 0.2444,
0.3258

41.2976, 0.2365,
0.3251

43.5123, 0.2541,
0.3265

40.5390, 0.2305,
0.3245

45.0052, 0.2656,
0.3271

39.9842, 0.2264,
0.3238

46.7765, 0.2784,
0.3277

39.6063, 0.2240,
0.3232

48.8409, 0.2925,
0.3283

39.4202, 0.2230,
0.3228

51.2118, 0.3074,
0.3288

■ 53.9018, 0.3230,
0.3293

■ 56.9230, 0.3389,
0.3298

■ 60.2866, 0.3548,
0.3302

■ 62.8779, 0.3658,
0.3306

Harmonies

Analogous

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



42.2806, 0.2737, 0.3686



42.2806, 0.2444, 0.3258



42.2806, 0.2328, 0.2879

Triad

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



42.2806, 0.2444, 0.3258



42.2806, 0.3058, 0.2695



42.2806, 0.3887, 0.3911

Complementary

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



42.2806, 0.2444, 0.3258



19.2674, 0.4657, 0.3321

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.



42.2806, 0.3998, 0.3608



42.2806, 0.2444, 0.3258



42.2806, 0.3501, 0.2932

Square

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



42.2806, 0.2444, 0.3258



42.2806, 0.2662, 0.2590



42.2806, 0.3855, 0.3257



42.2806, 0.3571, 0.4071

Rectangle

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



42.2806, 0.2444, 0.3258



42.2806, 0.2358, 0.2706



42.2806, 0.3855, 0.3257



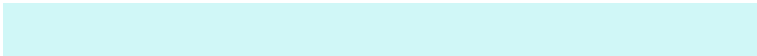
42.2806, 0.3951, 0.3820

Sweetspot

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



42.2822, 0.2444, 0.3258



86.3787, 0.2884, 0.3281



40.1309, 0.3039, 0.4953



18.7961, 0.2855, 0.3280



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



42.2822, 0.2444, 0.3258



73.7255, 0.2354, 0.3250



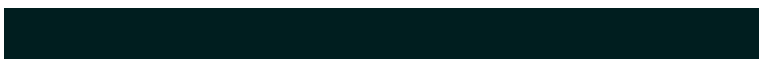
24.1377, 0.2275, 0.2425



10.7768, 0.2985, 0.3285



25.9219, 0.2230, 0.3229



1.0256, 0.2234, 0.3244

Inverse Universe

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



21.8866, 0.3209, 0.2051



33.5382, 0.3225, 0.1851



31.0453, 0.4238, 0.3998



9.6930, 0.3141, 0.3068



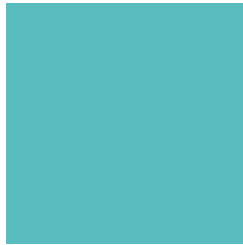
9.6465, 0.3258, 0.1568



0.3789, 0.3245, 0.1561

Previews

White Background



This preview shows how the Yxy color 42.2806, 0.2444, 0.3258 looks on a white background.

Color Contrast Check

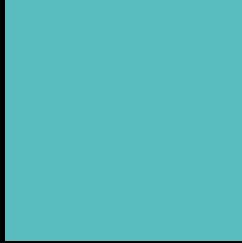
Large Text (above 18pt) WCAG AA × Fail

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 42.2806, 0.2444, 0.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

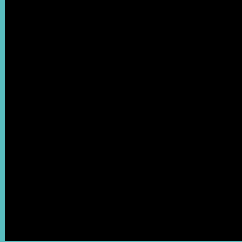
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

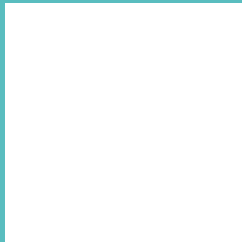
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2806, 0.2444, 0.3258

Background



This preview shows how black text looks on a background with the Yxy color 42.2806, 0.2444, 0.3258.

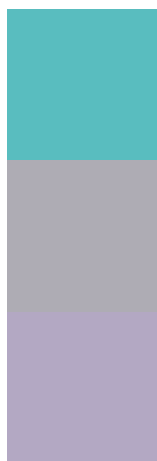


This preview shows how white text looks on a background with the Yxy color 42.2806, 0.2444, 0.3258.

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

42.2806, 0.2444, 0.3258

Protanopia

41.7990, 0.3079, 0.3182

Deuteranopia

41.5291, 0.3002, 0.2937



Tritanopia

42.1321, 0.2399, 0.3067

Trichromacy



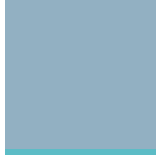
Original Color

42.2806, 0.2444, 0.3258



Protanomaly

41.1411, 0.2795, 0.3203



Deuteranomaly

41.0567, 0.2746, 0.3037



Tritanomaly

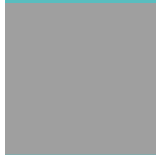
42.3190, 0.2418, 0.3140

Monochromacy



Original Color

42.2806, 0.2444, 0.3258



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

36.7581, 0.2811, 0.3274

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2806, 0.2444, 0.3258 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(89, 189, 191)` looks like.

```
.text, #text, p{  
    color:rgb(89, 189, 191)  
}
```

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(89, 189, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 189, 191) }
```

Border

The CSS property to change the border of an element to Yxy 42.2806, 0.2444, 0.3258 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(89, 189, 191) }
```

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

```
.border{ border-color:rgb(89, 189, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 189, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 189, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 189, 191);  
box-shadow:4px 4px 4px 4px rgb(89, 189,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2806, 0.2444, 0.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 189, 191) }
```

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

```
.background{ background-color: rgb(89, 189,  
191) }
```

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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