

Converting Colors

$Yxy(42.1292, 0.2604, 0.3585)$

Have a look what the booklet for
Yxy(42.1292, 0.2604, 0.3585)
contains.

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Color

Yxy(42.2706, 0.2605, 0.3599)

Conversions

Conversions Part 1

Format	Color
Hex	61BEAA
RGB	97, 190, 170
RGB Percent	38%, 75%, 67%
CMY	0.6198, 0.2549, 0.3333
CMYK	0.49, 0.00, 0.11, 0.25
HSL	167°, 42%, 56%
HSV	167°, 49%, 75%
XYZ	30.5960, 42.2706, 44.5844
YIQ	159.9130, -49.0080, -25.9360

Conversions

Conversions Part 2

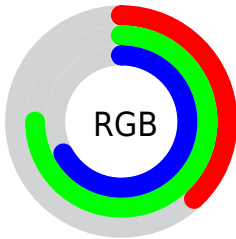
Format	Color
RYB	97, 149, 190
Decimal	6405802
CIELab	71.06, -32.57, 1.58
CIElCh	71, 32.613, 177.217
Yxy	42.2706, 0.2605, 0.3599
Android (android.graphics.Color)	4284595882 (0xFF61BEAA)
YUV	159.9130, 4.9729, -55.1747
Hunter-Lab	65.0158, -29.7769, 4.8532

Details

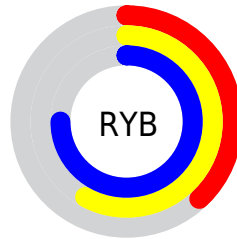
The Yxy color **42.2706, 0.2605, 0.3599** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **20.7716, 0.4174, 0.3019**, and the grayscale version is **35.1010, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7301, 0.2702, 0.3547**, and **19.3096, 0.2453, 0.3689** is the 20% darker color. If you saturate the color by 10%, you get **41.1990, 0.2536, 0.3674**, and if you desaturate by 10%, it is **43.6002, 0.2691, 0.3527**.

Distribution



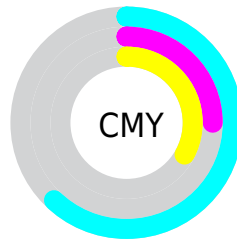
- Red (38%)
- Green (75%)
- Blue (67%)



- Red (38%)
- Yellow (58%)
- Blue (75%)



- Cyan (49%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)




- Cyan (62%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.2706, 0.2605, 0.3599 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 42.2706, 0.2605, 0.3599 by changing the saturation by 10% instead.


 42.2706, 0.2605,
0.3599


 42.2706, 0.2605,
0.3599


355.6035, 0.2870,
0.3441


 29.3132, 0.2538,
0.3639


 78.6090, 0.2702,
0.3541


 19.3179, 0.2451,
0.3692


 102.7588, 0.2738,
0.3519

 11.9002, 0.2335,
0.3763


 131.4083, 0.2769,
0.3501

 6.6758, 0.2172,
0.3863

 164.9417, 0.2795,
0.3486

 3.2602, 0.1926,
0.4017

203.7436, 0.2817,
0.3472

 1.2690, 0.1277,
0.4402

248.1982, 0.2837,

 0.1170, 0.0000,

0.3461

0.8749

298.6900, 0.2854,
0.3450

0.0000, 0.0000,
0.0000

42.2706, 0.2605,
0.3599

42.2706, 0.2605,
0.3599

41.1990, 0.2536,
0.3674

43.6002, 0.2691,
0.3527

40.3623, 0.2484,
0.3752

45.1993, 0.2790,
0.3459

39.7415, 0.2452,
0.3830

47.0844, 0.2900,
0.3396


39.3123, 0.2439,
0.3909


49.2696, 0.3017,
0.3338


39.0326, 0.2442,
0.3987


51.7677, 0.3140,
0.3285

 39.0066, 0.2443,
0.3995

 54.5910, 0.3265,
0.3237

 57.7511, 0.3391,
0.3195

 61.2589, 0.3516,
0.3158

 62.5837, 0.3532,
0.3118

Harmonies

Analogous

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



42.2706, 0.3022, 0.3992



42.2706, 0.2605, 0.3599



42.2706, 0.2338, 0.3131

Triad

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



42.2706, 0.2605, 0.3599



42.2706, 0.2727, 0.2552



42.2706, 0.4063, 0.3724

Complementary

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



42.2706, 0.2605, 0.3599



20.7716, 0.4174, 0.3019

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.



42.2706, 0.3983, 0.3352



42.2706, 0.2605, 0.3599



42.2706, 0.3179, 0.2707

Square

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



42.2706, 0.2605, 0.3599



42.2706, 0.2406, 0.2563



42.2706, 0.3649, 0.2991



42.2706, 0.3873, 0.4024

Rectangle

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



42.2706, 0.2605, 0.3599



42.2706, 0.2270, 0.2866



42.2706, 0.3649, 0.2991



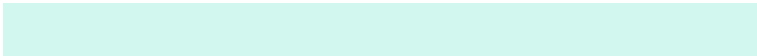
42.2706, 0.4067, 0.3603

Sweetspot

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



42.2723, 0.2605, 0.3599



86.7282, 0.2943, 0.3373



41.4826, 0.3201, 0.4755



18.8652, 0.2918, 0.3386



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.



42.2723, 0.2605, 0.3599



74.4842, 0.2530, 0.3682



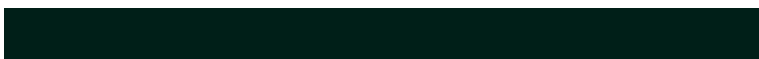
32.6798, 0.2413, 0.2874



10.7735, 0.3013, 0.3340



25.9465, 0.2440, 0.3984



1.0253, 0.2388, 0.3798

Inverse Universe

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



20.7716, 0.4174, 0.3019



30.9127, 0.4562, 0.2976



26.0552, 0.4281, 0.3655



9.5690, 0.3255, 0.3241



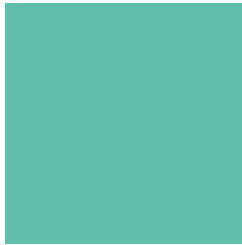
7.3945, 0.6008, 0.3083



0.2995, 0.5335, 0.2713

Previews

White Background



This preview shows how the Yxy color 42.2706, 0.2605, 0.3599 looks on a white background.

Color Contrast Check

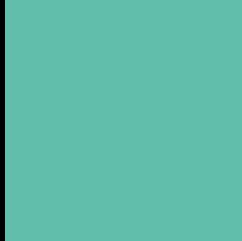
Large Text (above 18pt) WCAG AA × Fail

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 42.2706, 0.2605, 0.3599 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

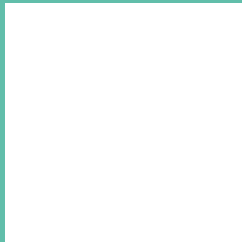
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2706, 0.2605, 0.3599

Background



This preview shows how black text looks on a background with the Yxy color 42.2706, 0.2605, 0.3599.

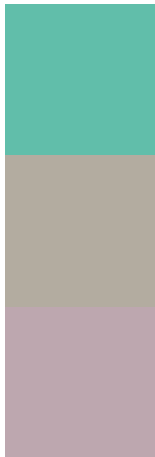


This preview shows how white text looks on a background with the Yxy color 42.2706, 0.2605, 0.3599.

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

42.2706, 0.2605, 0.3599

Protanopia

41.6268, 0.3293, 0.3454

Deuteranopia

41.5514, 0.3262, 0.3186



Tritanopia

42.3990, 0.2465, 0.3070

Trichromacy



Original Color

42.2706, 0.2605, 0.3599

Protanomaly

41.3101, 0.2990, 0.3508

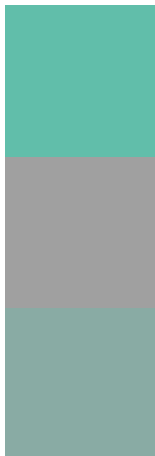
Deuteranomaly

40.7450, 0.2979, 0.3318

Tritanomaly

42.1419, 0.2514, 0.3243

Monochromacy



Original Color

42.2706, 0.2605, 0.3599

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

37.1245, 0.2889, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2706, 0.2605, 0.3599 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(97, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(97, 190, 170)  
}
```

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(97, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 190, 170) }
```

Border

The CSS property to change the border of an element to Yxy 42.2706, 0.2605, 0.3599 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(97, 190, 170) }
```

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

```
.border{ border-color:rgb(97, 190, 170) }
```

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

Here you see how a box with a 4 pixel rgb(97, 190, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(97, 190,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2706, 0.2605, 0.3599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 190, 170) }
```

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

```
.background{ background-color: rgb(97, 190,  
170) }
```

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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