

Converting Colors

$Yxy(42.4135, 0.2468, 0.3381)$

Have a look what the booklet for
Yxy(42.4135, 0.2468, 0.3381)
contains.

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Color

Yxy(42.2189, 0.2467, 0.3380)

Conversions

Conversions Part 1

Format	Color
Hex	55BEB8
RGB	85, 190, 184
RGB Percent	33%, 75%, 72%
CMY	0.6665, 0.2549, 0.2784
CMYK	0.55, 0.00, 0.03, 0.25
HSL	177°, 45%, 54%
HSV	177°, 55%, 75%
XYZ	30.8148, 42.2189, 51.8743
YIQ	157.9210, -60.6540, -24.1260

Conversions

Conversions Part 2

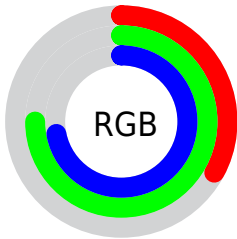
Format	Color
R _Y B	85, 139, 190
Decimal	5619384
CIE Lab	71.02, -31.61, -6.17
CIE LCh	71, 32.202, 191.042
Yxy	42.2189, 0.2467, 0.3380
Android (android.graphics.Color)	4283809464 (0xFF55BEB8)
YUV	157.9210, 12.8569, -63.9517
Hunter-Lab	64.9761, -29.0548, -1.8515

Details

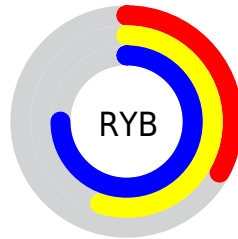
The Yxy color **42.2189, 0.2467, 0.3380** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **18.2077, 0.4659, 0.3216**, and the grayscale version is **34.1219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.7421, 0.2589, 0.3370**, and **19.2599, 0.2280, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **41.4016, 0.2397, 0.3399**, and if you desaturate by 10%, it is **43.2786, 0.2555, 0.3362**.

Distribution



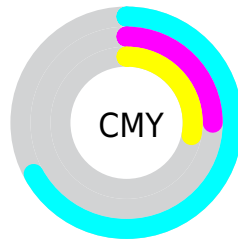
- Red (33%)
- Green (75%)
- Blue (72%)



- Red (33%)
- Yellow (55%)
- Blue (75%)



- Cyan (55%)
- Magenta (0%)
- Yellow (3%)
- Black (25%)





- Cyan (67%)
- Magenta (25%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.2189, 0.2467, 0.3380 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 42.2189, 0.2467, 0.3380 by changing the saturation by 10% instead.

 42.2189, 0.2467,
0.3380

 42.2189, 0.2467,
0.3380


355.3896, 0.2797,
0.3341

 29.2727, 0.2385,
0.3388

 78.5308, 0.2587,
0.3367


 19.2872, 0.2281,
0.3397


 102.6654, 0.2632,
0.3362

 11.8780, 0.2142,
0.3406


 131.2981, 0.2670,
0.3357

 6.6607, 0.1952,
0.3415

 164.8136, 0.2702,
0.3353

 3.2508, 0.1675,
0.3418

203.5960, 0.2731,
0.3350

 1.2640, 0.1063,
0.3462

248.0299, 0.2755,

 0.1131, 0.0000,

0.3346

0.1695

298.4996, 0.2777,
0.3343

0.0000, 0.0000,
0.0000

42.2189, 0.2467,
0.3380

42.2189, 0.2467,
0.3380

41.4016, 0.2397,
0.3399

43.2786, 0.2555,
0.3362

40.8021, 0.2347,
0.3418

44.5932, 0.2660,
0.3344

40.3995, 0.2315,
0.3437

46.1801, 0.2779,
0.3327

40.1661, 0.2300,
0.3455

48.0539, 0.2911,
0.3312

40.0867, 0.2296,
0.3464

50.2279, 0.3051,
0.3297

■ 52.7150, 0.3198,
0.3284

■ 55.5269, 0.3348,
0.3272

■ 58.6750, 0.3499,
0.3262

■ 61.9707, 0.3640,
0.3252

Harmonies

Analogous

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



42.2189, 0.2821, 0.3826



42.2189, 0.2467, 0.3380



42.2189, 0.2290, 0.2946

Triad

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



42.2189, 0.2467, 0.3380



42.2189, 0.2927, 0.2612



42.2189, 0.3996, 0.3871

Complementary

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



42.2189, 0.2467, 0.3380



18.2077, 0.4659, 0.3216

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.



42.2189, 0.4043, 0.3524



42.2189, 0.2467, 0.3380



42.2189, 0.3399, 0.2830

Square

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



42.2189, 0.2467, 0.3380



42.2189, 0.2540, 0.2544



42.2189, 0.3820, 0.3153



42.2189, 0.3707, 0.4099

Rectangle

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



42.2189, 0.2467, 0.3380



42.2189, 0.2285, 0.2731



42.2189, 0.3820, 0.3153



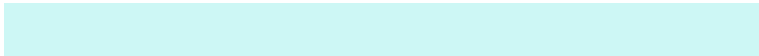
42.2189, 0.4042, 0.3763

Sweetspot

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



42.2205, 0.2467, 0.3380



86.3472, 0.2883, 0.3315



39.7604, 0.3089, 0.5019



18.8048, 0.2856, 0.3318



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.



42.2205, 0.2467, 0.3380



74.7999, 0.2387, 0.3402



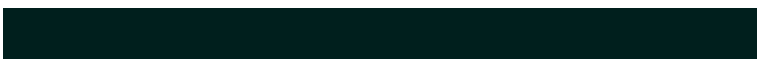
25.7557, 0.2280, 0.2542



10.7999, 0.2992, 0.3303



26.6601, 0.2295, 0.3462



1.0472, 0.2283, 0.3417

Inverse Universe

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



18.2077, 0.4659, 0.3216



26.9917, 0.5196, 0.3213



27.7094, 0.4359, 0.3905



9.5450, 0.3280, 0.3277



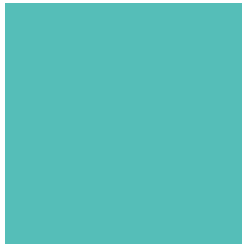
7.2990, 0.6329, 0.3260



0.2890, 0.6064, 0.3114

Previews

White Background



This preview shows how the Yxy color 42.2189, 0.2467, 0.3380 looks on a white background.

Color Contrast Check

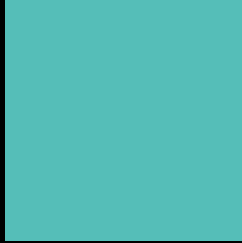
Large Text (above 18pt) WCAG AA × Fail

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 42.2189, 0.2467, 0.3380 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

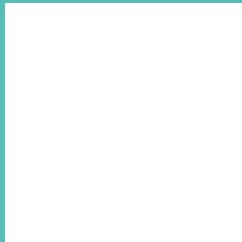
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.2189, 0.2467, 0.3380

Background



This preview shows how black text looks on a background with the Yxy color 42.2189, 0.2467, 0.3380.

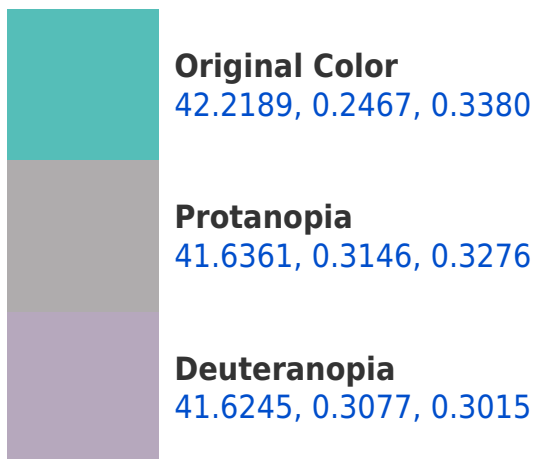


This preview shows how white text looks on a background with the Yxy color 42.2189, 0.2467, 0.3380.

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





Tritanopia

42.0802, 0.2394, 0.3067

Trichromacy



Original Color

42.2189, 0.2467, 0.3380

Protanomaly

41.1653, 0.2838, 0.3318

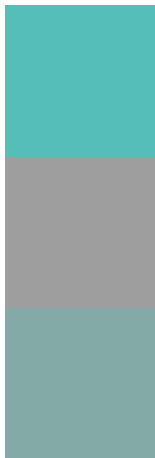
Deuteranomaly

40.8416, 0.2802, 0.3133

Tritanomaly

42.0304, 0.2420, 0.3183

Monochromacy



Original Color

42.2189, 0.2467, 0.3380

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

36.3648, 0.2817, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.2189, 0.2467, 0.3380 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(85, 190, 184)` looks like.

```
.text, #text, p{  
    color:rgb(85, 190, 184)  
}
```

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(85, 190, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 190, 184) }
```

Border

The CSS property to change the border of an element to Yxy 42.2189, 0.2467, 0.3380 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(85, 190, 184) }
```

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

```
.border{ border-color:rgb(85, 190, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 190, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 190, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 190, 184);  
box-shadow:4px 4px 4px 4px rgb(85, 190,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 42.2189, 0.2467, 0.3380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 190, 184) }
```

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

```
.background{ background-color: rgb(85, 190,  
184) }
```

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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