

Converting Colors

$Y_{xy}(50.6219, 0.2621, 0.3221)$

Have a look what the booklet for
Yxy(50.6219, 0.2621, 0.3221)
contains.

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Color

Yxy(50.6219, 0.2621, 0.3221)

Conversions

Conversions Part 1

Format	Color
Hex	84C8CD
RGB	132, 200, 205
RGB Percent	52%, 78%, 80%
CMY	0.4822, 0.2157, 0.1961
CMYK	0.36, 0.02, 0.00, 0.20
HSL	184°, 42%, 66%
HSV	184°, 36%, 80%
XYZ	41.1922, 50.6219, 65.3480
YIQ	180.2380, -42.1330, -12.8610

Conversions

Conversions Part 2

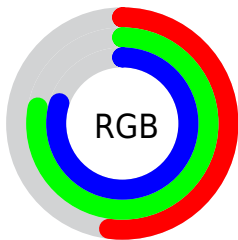
Format	Color
R _Y B	132, 167, 205
Decimal	8702157
CIE Lab	76.45, -20.11, -9.31
CIE LCh	76, 22.158, 204.836
Yxy	50.6219, 0.2621, 0.3221
Android (android.graphics.Color)	4286892237 (0xFF84C8CD)
YUV	180.2380, 12.2077, -42.3047
Hunter-Lab	71.1491, -21.1672, -4.6515

Details

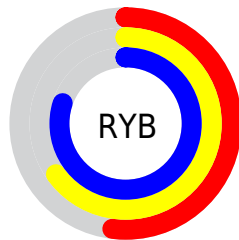
The Yxy color **50.6219, 0.2621, 0.3221** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.5430, 0.3950, 0.3357**, and the grayscale version is **45.7313, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4314, 0.2742, 0.3289**, and **24.4118, 0.2488, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **48.4837, 0.2505, 0.3199**, and if you desaturate by 10%, it is **53.0948, 0.2751, 0.3242**.

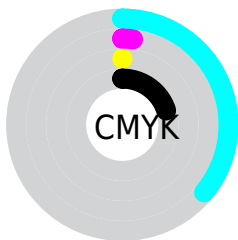
Distribution



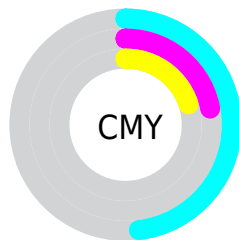
- Red (52%)
- Green (78%)
- Blue (80%)



- Red (52%)
- Yellow (65%)
- Blue (80%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)





- Cyan (48%)
- Magenta (22%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6219, 0.2621, 0.3221 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 50.6219, 0.2621, 0.3221 by changing the saturation by 10% instead.


 50.6219, 0.2621,
0.3221

 50.6219, 0.2621,
0.3221


389.0930, 0.2867,
0.3260


 35.9078, 0.2562,
0.3210


 91.0956, 0.2709,
0.3236

 24.3630, 0.2488,
0.3196

 117.6240, 0.2742,
0.3241

 15.6031, 0.2391,
0.3175


 148.8593, 0.2770,
0.3246

 9.2437, 0.2261,
0.3145

185.1859, 0.2795,
0.3249

 4.9005, 0.2075,
0.3096

226.9882, 0.2816,
0.3253

 2.1890, 0.1795,
0.3008

274.6505, 0.2835,

 0.7140, 0.0780,

0.3255

0.2965

328.5573, 0.2852,
0.3258

0.0000, 0.0000,
0.0000

50.6219, 0.2621,
0.3221

50.6219, 0.2621,
0.3221

48.4837, 0.2505,
0.3199

53.0948, 0.2751,
0.3242

46.6550, 0.2406,
0.3176

55.9139, 0.2892,
0.3262

45.1168, 0.2325,
0.3153

59.0975, 0.3041,
0.3280

43.8452, 0.2264,
0.3130

62.6609, 0.3196,
0.3297

42.8126, 0.2221,
0.3106

66.6185, 0.3353,
0.3313

■ 41.9851, 0.2195,
0.3084

■ 70.9779, 0.3511,
0.3326

■ 41.6564, 0.2187,
0.3074

■ 71.6661, 0.3508,
0.3340

■ 72.3604, 0.3505,
0.3355

■ 73.0607, 0.3502,
0.3369

Harmonies

Analogous

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



50.6219, 0.2811, 0.3509



50.6219, 0.2621, 0.3221



50.6219, 0.2561, 0.2971

Triad

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



50.6219, 0.2621, 0.3221



50.6219, 0.3141, 0.2892



50.6219, 0.3626, 0.3758

Complementary

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



50.6219, 0.2621, 0.3221



32.5430, 0.3950, 0.3357

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.



50.6219, 0.3727, 0.3568



50.6219, 0.2621, 0.3221



50.6219, 0.3440, 0.3079

Square

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



50.6219, 0.2621, 0.3221



50.6219, 0.2850, 0.2798



50.6219, 0.3659, 0.3321



50.6219, 0.3390, 0.3829

Rectangle

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



50.6219, 0.2621, 0.3221



50.6219, 0.2600, 0.2859



50.6219, 0.3659, 0.3321



50.6219, 0.3677, 0.3705

Sweetspot

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



50.6239, 0.2621, 0.3221



93.8453, 0.2957, 0.3270



50.3681, 0.3047, 0.4280



19.9357, 0.2937, 0.3268



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.



50.6239, 0.2621, 0.3221



80.1015, 0.2528, 0.3204



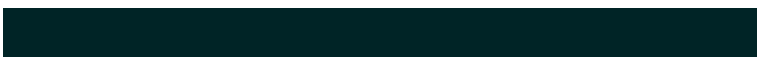
35.7415, 0.2550, 0.2700



12.5906, 0.2984, 0.3274



25.9934, 0.2188, 0.3077



1.3813, 0.2200, 0.3121

Inverse Universe

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



33.6604, 0.3216, 0.2469



48.3645, 0.3240, 0.2294



44.6757, 0.3786, 0.3813



11.3900, 0.3148, 0.3077



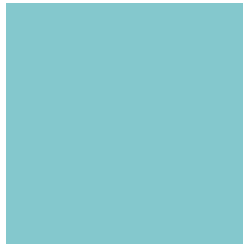
10.4270, 0.3387, 0.1639



0.5420, 0.3349, 0.1618

Previews

White Background



This preview shows how the Yxy color 50.6219, 0.2621, 0.3221 looks on a white background.

Color Contrast Check

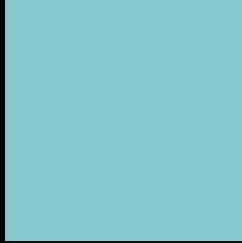
Large Text (above 18pt) WCAG AA × Fail

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 50.6219, 0.2621, 0.3221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

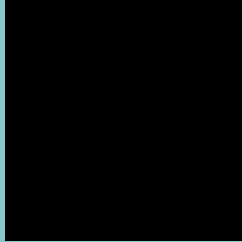
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6219, 0.2621, 0.3221

Background



This preview shows how black text looks on a background with the Yxy color 50.6219, 0.2621, 0.3221.



This preview shows how white text looks on a background with the Yxy color 50.6219, 0.2621, 0.3221.

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

50.6219, 0.2621, 0.3221

Protanopia

50.2632, 0.3059, 0.3165

Deuteranopia

50.2062, 0.3035, 0.2976



Tritanopia

50.7702, 0.2579, 0.3089

Trichromacy



Original Color

50.6219, 0.2621, 0.3221

Protanomaly

50.1942, 0.2883, 0.3186

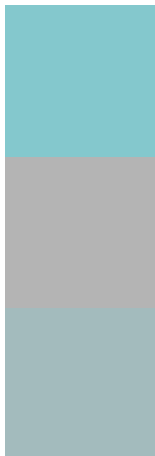
Deuteranomaly

49.8335, 0.2864, 0.3048

Tritanomaly

50.5365, 0.2591, 0.3128

Monochromacy



Original Color

50.6219, 0.2621, 0.3221

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

47.0013, 0.2920, 0.3263

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6219, 0.2621, 0.3221 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(132, 200, 205)` looks like.

```
.text, #text, p{  
    color:rgb(132, 200, 205)  
}
```

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(132, 200, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 200, 205) }
```

Border

The CSS property to change the border of an element to Yxy 50.6219, 0.2621, 0.3221 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(132, 200, 205) }
```

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

```
.border{ border-color:rgb(132, 200, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 200, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 200, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 200, 205);  
box-shadow:4px 4px 4px 4px rgb(132, 200,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6219, 0.2621, 0.3221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 200, 205) }
```

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

```
.background{ background-color: rgb(132,  
200, 205) }
```

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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