

Converting Colors

$Y_{xy}(49.0439, 0.2476, 0.3231)$

Have a look what the booklet for
Yxy(49.0439, 0.2476, 0.3231)
contains.

Yxy(49.1241, 0.2475, 0.3232)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.1241, 0.2475, 0.3232)

Conversions

Conversions Part 1

Format	Color
Hex	68C9CD
RGB	104, 201, 205
RGB Percent	41%, 79%, 80%
CMY	0.5919, 0.2118, 0.1961
CMYK	0.49, 0.02, 0.00, 0.20
HSL	182°, 50%, 61%
HSV	182°, 49%, 80%
XYZ	37.6182, 49.1241, 65.2505
YIQ	172.4530, -59.0960, -19.3200

Conversions

Conversions Part 2

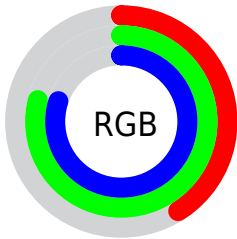
Format	Color
RYB	104, 153, 205
Decimal	6867405
CIELab	75.53, -27.41, -10.81
CIElCh	76, 29.469, 201.521
Yxy	49.1241, 0.2475, 0.3232
Android (android.graphics.Color)	4285057485 (0xFF68C9CD)
YUV	172.4530, 16.0457, -60.0333
Hunter-Lab	70.0886, -26.8498, -6.1353

Details

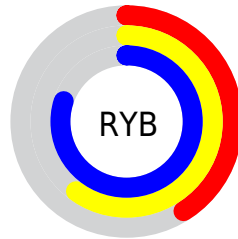
The Yxy color **49.1241, 0.2475, 0.3232** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **24.7135, 0.4472, 0.3344**, and the grayscale version is **41.4429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4214, 0.2615, 0.3288**, and **23.5732, 0.2306, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **47.6669, 0.2386, 0.3219**, and if you desaturate by 10%, it is **50.8852, 0.2582, 0.3245**.

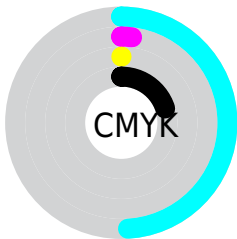
Distribution



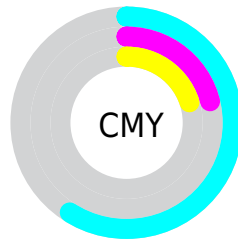
- Red (41%)
- Green (79%)
- Blue (80%)



- Red (41%)
- Yellow (60%)
- Blue (80%)



- Cyan (49%)
- Magenta (2%)
- Yellow (0%)
- Black (20%)





- Cyan (59%)
- Magenta (21%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.1241, 0.2475, 0.3232 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 49.1241, 0.2475, 0.3232 by changing the saturation by 10% instead.

 49.1241, 0.2475,
0.3232


 49.1241, 0.2475,
0.3232


383.2307, 0.2791,
0.3268

 34.7179, 0.2399,
0.3221


 88.8757, 0.2588,
0.3247


 23.4457, 0.2304,
0.3205


 114.9900, 0.2631,
0.3252

 14.9229, 0.2181,
0.3183


 145.7758, 0.2667,
0.3256

 8.7653, 0.2015,
0.3148

 181.6174, 0.2699,
0.3259

 4.5884, 0.1783,
0.3089

222.8993, 0.2726,
0.3262

 2.0079, 0.1439,
0.2976

270.0059, 0.2751,

 0.6120, 0.0000,

0.3265

0.2900

323.3216, 0.2772,
0.3267

0.0000, 0.0000,
0.0000

49.1241, 0.2475,
0.3232

49.1241, 0.2475,
0.3232

47.6669, 0.2386,
0.3219

50.8852, 0.2582,
0.3245

46.4861, 0.2316,
0.3205

52.9644, 0.2704,
0.3257

45.5584, 0.2265,
0.3192


55.3817, 0.2840,
0.3269

44.8544, 0.2232,
0.3179

58.1536, 0.2986,
0.3280

44.3240, 0.2214,
0.3166

61.2959, 0.3139,
0.3291

 44.2860, 0.2213,
0.3165

 64.8233, 0.3296,
0.3300

 68.7496, 0.3456,
0.3309

 70.5289, 0.3512,
0.3317

 70.9241, 0.3511,
0.3325

Harmonies

Analogous

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



49.1241, 0.2739, 0.3628



49.1241, 0.2475, 0.3232



49.1241, 0.2379, 0.2887

Triad

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



49.1241, 0.2475, 0.3232



49.1241, 0.3095, 0.2746



49.1241, 0.3818, 0.3888

Complementary

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



49.1241, 0.2475, 0.3232



24.7135, 0.4472, 0.3344

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.



49.1241, 0.3937, 0.3614



49.1241, 0.2475, 0.3232



49.1241, 0.3505, 0.2978

Square

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



49.1241, 0.2475, 0.3232



49.1241, 0.2719, 0.2638



49.1241, 0.3821, 0.3287



49.1241, 0.3514, 0.4018

Rectangle

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



49.1241, 0.2475, 0.3232



49.1241, 0.2417, 0.2732



49.1241, 0.3821, 0.3287



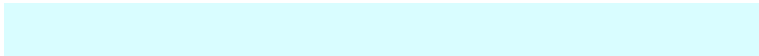
49.1241, 0.3882, 0.3808

Sweetspot

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



49.1260, 0.2475, 0.3232



92.4917, 0.2898, 0.3274



47.6752, 0.3036, 0.4790



19.5950, 0.2867, 0.3272



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.



49.1260, 0.2475, 0.3232



77.9770, 0.2382, 0.3218



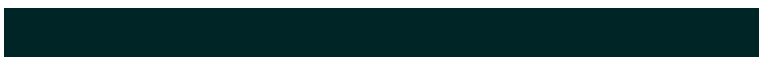
29.5377, 0.2331, 0.2475



12.6479, 0.2984, 0.3280



27.6065, 0.2213, 0.3167



1.4484, 0.2220, 0.3192

Inverse Universe

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



27.1062, 0.3225, 0.2149



38.1143, 0.3246, 0.1953



38.3937, 0.4125, 0.3971



11.3958, 0.3144, 0.3071



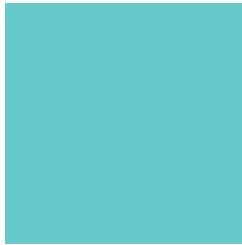
10.5899, 0.3310, 0.1597



0.5488, 0.3288, 0.1585

Previews

White Background



This preview shows how the Yxy color 49.1241, 0.2475, 0.3232 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 49.1241, 0.2475, 0.3232 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

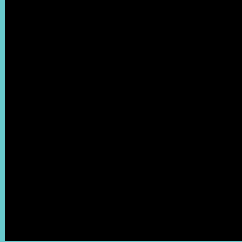
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1241, 0.2475, 0.3232

Background



This preview shows how black text looks on a background with the Yxy color 49.1241, 0.2475, 0.3232.

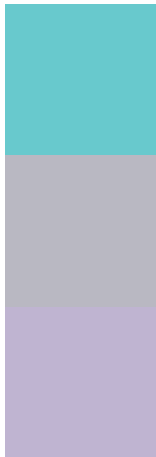


This preview shows how white text looks on a background with the Yxy color 49.1241, 0.2475, 0.3232.

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

49.1241, 0.2475, 0.3232

Protanopia

48.4903, 0.3058, 0.3163

Deuteranopia

48.3223, 0.2995, 0.2934



Tritanopia

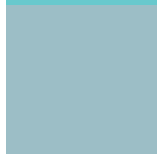
48.9413, 0.2437, 0.3068

Trichromacy



Original Color

49.1241, 0.2475, 0.3232



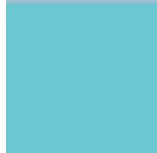
Protanomaly

47.9720, 0.2807, 0.3182



Deuteranomaly

47.8914, 0.2761, 0.3028



Tritanomaly

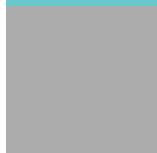
49.1375, 0.2455, 0.3136

Monochromacy



Original Color

49.1241, 0.2475, 0.3232



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

43.5307, 0.2830, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1241, 0.2475, 0.3232 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(104, 201, 205)` looks like.

```
.text, #text, p{  
    color:rgb(104, 201, 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(104, 201, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 201, 205) }
```

Border

The CSS property to change the border of an element to Yxy 49.1241, 0.2475, 0.3232 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(104, 201, 205) }
```

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

```
.border{ border-color:rgb(104, 201, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 201, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 201, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 201, 205);  
box-shadow:4px 4px 4px 4px rgb(104, 201,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1241, 0.2475, 0.3232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 201, 205) }
```

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

```
.background{ background-color: rgb(104,  
201, 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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