

Converting Colors

$Yxy(50.9949, 0.2786, 0.3772)$

Have a look what the booklet for
Yxy(50.9949, 0.2786, 0.3772)
contains.

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Color

Yxy(50.9629, 0.2788, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	7DCDAB
RGB	125, 205, 171
RGB Percent	49%, 80%, 67%
CMY	0.5099, 0.1961, 0.3293
CMYK	0.39, 0.00, 0.17, 0.20
HSL	155°, 44%, 65%
HSV	155°, 39%, 80%
XYZ	37.6383, 50.9629, 46.3999
YIQ	177.2040, -36.7660, -27.5340

Conversions

Conversions Part 2

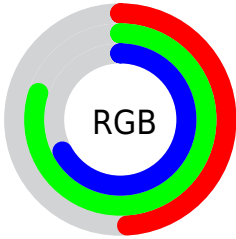
Format	Color
RYB	125, 176, 205
Decimal	8244651
CIELab	76.66, -32.21, 9.25
CIElCh	77, 33.513, 163.981
Yxy	50.9629, 0.2788, 0.3775
Android (android.graphics.Color)	4286434731 (0xFF7DCDAB)
YUV	177.2040, -3.0586, -45.7829
Hunter-Lab	71.3883, -30.8184, 11.4354

Details

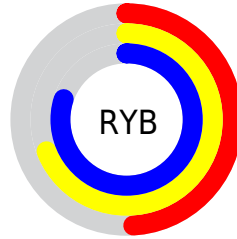
The Yxy color **50.9629, 0.2788, 0.3775** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.1394, 0.3676, 0.2858**, and the grayscale version is **44.1083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7143, 0.2845, 0.3611**, and **24.4842, 0.2689, 0.3911** is the 20% darker color. If you saturate the color by 10%, you get **49.2575, 0.2722, 0.3926**, and if you desaturate by 10%, it is **53.0127, 0.2866, 0.3634**.

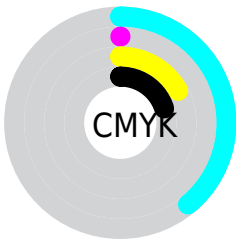
Distribution



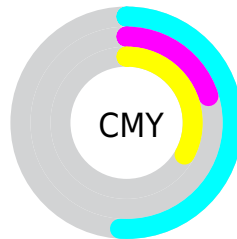
- Red (49%)
- Green (80%)
- Blue (67%)



- Red (49%)
- Yellow (69%)
- Blue (80%)



- Cyan (39%)
- Magenta (0%)
- Yellow (17%)
- Black (20%)





- Cyan (51%)
- Magenta (20%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.9629, 0.2788, 0.3775 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 50.9629, 0.2788, 0.3775 by changing the saturation by 10% instead.


 50.9629, 0.2788,
0.3775


 50.9629, 0.2788,
0.3775


390.4196, 0.2959,
0.3528

 36.1791, 0.2745,
0.3838

 91.5999, 0.2850,
0.3684

 24.5725, 0.2690,
0.3919


 118.2219, 0.2873,
0.3651

 15.7589, 0.2616,
0.4029


 149.5588, 0.2893,
0.3622

 9.3537, 0.2513,
0.4185

185.9949, 0.2910,
0.3598

 4.9726, 0.2359,
0.4423

227.9146, 0.2925,
0.3577

 2.2312, 0.2104,
0.4827

275.7024, 0.2937,

 0.7369, 0.0000,

0.3559

0.8255

329.7426, 0.2949,
0.3543

0.0000, 0.0000,
0.0000

50.9629, 0.2788,
0.3775

50.9629, 0.2788,
0.3775

49.2575, 0.2722,
0.3926

53.0127, 0.2866,
0.3634

47.8701, 0.2670,
0.4086

55.4190, 0.2951,
0.3504

46.7804, 0.2637,
0.4250

58.2012, 0.3042,
0.3386

45.9630, 0.2622,
0.4417


61.3750, 0.3136,
0.3280

45.3881, 0.2628,
0.4581

64.9557, 0.3231,
0.3186

 45.0066, 0.2652,
0.4740

 68.9573, 0.3325,
0.3103

 44.9740, 0.2654,
0.4755

 70.7486, 0.3314,
0.3020

 71.2552, 0.3251,
0.2936

 71.7866, 0.3189,
0.2854

Harmonies

Analogous

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



50.9629, 0.3227, 0.4065



50.9629, 0.2788, 0.3775



50.9629, 0.2456, 0.3334

Triad

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



50.9629, 0.2788, 0.3775



50.9629, 0.2583, 0.2559



50.9629, 0.4030, 0.3556

Complementary

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



50.9629, 0.2788, 0.3775



30.1394, 0.3676, 0.2858

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.



50.9629, 0.3836, 0.3191



50.9629, 0.2788, 0.3775



50.9629, 0.2975, 0.2641

Square

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



50.9629, 0.2788, 0.3775



50.9629, 0.2347, 0.2649



50.9629, 0.3438, 0.2866



50.9629, 0.3958, 0.3888

Rectangle

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



50.9629, 0.2788, 0.3775



50.9629, 0.2331, 0.3045



50.9629, 0.3438, 0.2866



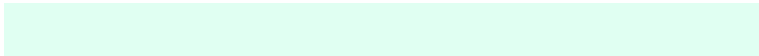
50.9629, 0.3994, 0.3434

Sweetspot

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



50.9650, 0.2788, 0.3775



93.8429, 0.3014, 0.3422



52.5832, 0.3331, 0.4383



19.9551, 0.3001, 0.3437



0.0000, 0.0000, 0.0000



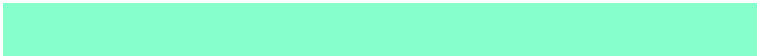
21.4041, 0.3127, 0.3290

Same Dimension

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



50.9650, 0.2788, 0.3775



81.0496, 0.2731, 0.3904



49.9216, 0.2580, 0.3215



12.6434, 0.3039, 0.3390



28.0153, 0.2648, 0.4733



1.4603, 0.2561, 0.4420

Inverse Universe

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



30.1394, 0.3676, 0.2858



42.1755, 0.3856, 0.2766



30.5054, 0.4067, 0.3362



11.2914, 0.3225, 0.3192



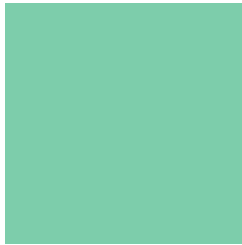
8.5265, 0.5259, 0.2671



0.4549, 0.4761, 0.2397

Previews

White Background



This preview shows how the Yxy color 50.9629, 0.2788, 0.3775 looks on a white background.

Color Contrast Check

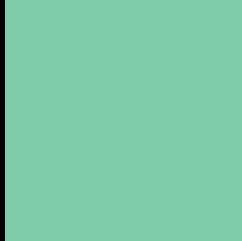
Large Text (above 18pt) WCAG AA × Fail

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 50.9629, 0.2788, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

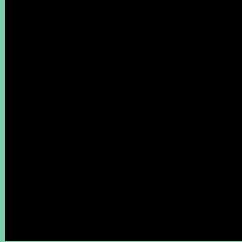
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

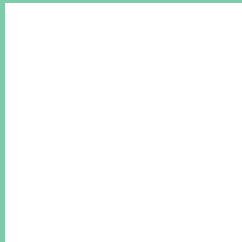
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.9629, 0.2788, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 50.9629, 0.2788, 0.3775.



This preview shows how white text looks on a background with the Yxy color 50.9629, 0.2788, 0.3775.

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

50.9629, 0.2788, 0.3775

Protanopia

50.5808, 0.3419, 0.3618

Deuteranopia

50.4394, 0.3429, 0.3363



Tritanopia

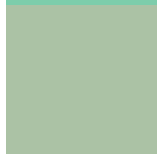
50.9040, 0.2580, 0.3077

Trichromacy



Original Color

50.9629, 0.2788, 0.3775



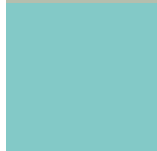
Protanomaly

49.9581, 0.3157, 0.3678



Deuteranomaly

49.5862, 0.3167, 0.3499



Tritanomaly

50.7221, 0.2651, 0.3316

Monochromacy



Original Color

50.9629, 0.2788, 0.3775



Achromatopsia

43.9657, 0.3127, 0.3290



Achromatomaly

45.9049, 0.2982, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.9629, 0.2788, 0.3775 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(125, 205, 171)` looks like.

```
.text, #text, p{  
    color:rgb(125, 205, 171)  
}
```

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(125, 205, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 205, 171) }
```

Border

The CSS property to change the border of an element to Yxy 50.9629, 0.2788, 0.3775 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(125, 205, 171) }
```

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

```
.border{ border-color:rgb(125, 205, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 205, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 205, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 205, 171);  
box-shadow:4px 4px 4px 4px rgb(125, 205,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 50.9629, 0.2788, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 205, 171) }
```

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

```
.background{ background-color: rgb(125,  
205, 171) }
```

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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