

Converting Colors

$Y_{xy}(45.0753, 0.2802, 0.3580)$

Have a look what the booklet for
Yxy(45.0753, 0.2802, 0.3580)
contains.

Yxy(44.9477, 0.2804, 0.3582)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.9477, 0.2804, 0.3582)

Conversions

Conversions Part 1

Format	Color
Hex	82BFAB
RGB	130, 191, 171
RGB Percent	51%, 75%, 67%
CMY	0.4903, 0.2510, 0.3294
CMYK	0.32, 0.00, 0.10, 0.25
HSL	160°, 32%, 63%
HSV	160°, 32%, 75%
XYZ	35.1852, 44.9477, 45.3492
YIQ	170.4810, -29.9360, -19.1520

Conversions

Conversions Part 2

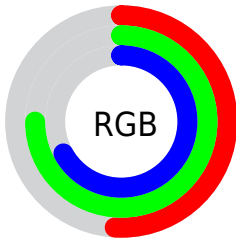
Format	Color
RYB	130, 166, 191
Decimal	8568747
CIELab	72.86, -23.99, 3.84
CIELCh	73, 24.299, 170.901
Yxy	44.9477, 0.2804, 0.3582
Android (android.graphics.Color)	4286758827 (0xFF82BFAB)
YUV	170.4810, 0.2559, -35.5018
Hunter-Lab	67.0430, -23.6459, 6.8252

Details

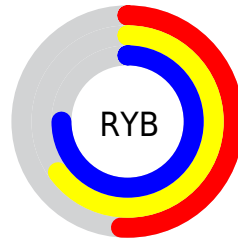
The Yxy color **44.9477, 0.2804, 0.3582** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **29.2396, 0.3611, 0.3019**, and the grayscale version is **40.4600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9401, 0.2868, 0.3535**, and **20.8429, 0.2708, 0.3662** is the 20% darker color. If you saturate the color by 10%, you get **43.3437, 0.2720, 0.3691**, and if you desaturate by 10%, it is **46.8470, 0.2898, 0.3481**.

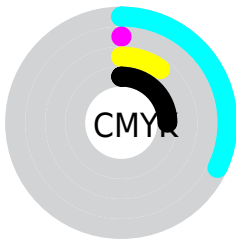
Distribution



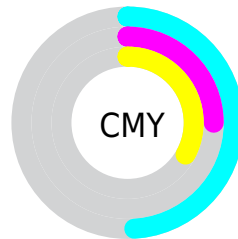
- Red (51%)
- Green (75%)
- Blue (67%)



- Red (51%)
- Yellow (65%)
- Blue (75%)



- Cyan (32%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)



- Cyan (49%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9477, 0.2804, 0.3582 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 44.9477, 0.2804, 0.3582 by changing the saturation by 10% instead.

■ 44.9477, 0.2804,
0.3582

■ 44.9477, 0.2804,
0.3582

■ 366.5617, 0.2968,
0.3433

■ 31.4162, 0.2763,
0.3620

■ 82.6419, 0.2864,
0.3527

■ 20.9160, 0.2709,
0.3670

■ 107.5735, 0.2886,
0.3507

■ 13.0626, 0.2637,
0.3738

■ 137.0738, 0.2905,
0.3489

■ 7.4717, 0.2536,
0.3835

■ 171.5274, 0.2921,
0.3475

■ 3.7588, 0.2382,
0.3984

■ 211.3186, 0.2935,
0.3462

■ 1.5396, 0.2117,
0.4248

■ 256.8318, 0.2947,

■ 0.3163, 0.0000,

0.3451

0.8068

308.4513, 0.2958,
0.3441

0.0000, 0.0000,
0.0000

44.9477, 0.2804,
0.3582

44.9477, 0.2804,
0.3582

43.3437, 0.2720,
0.3691

46.8470, 0.2898,
0.3481

42.0139, 0.2649,
0.3806

49.0506, 0.3000,
0.3389

40.9428, 0.2594,
0.3927

51.5739, 0.3106,
0.3305


40.1113, 0.2557,
0.4051


54.4296, 0.3214,
0.3230

39.4974, 0.2540,
0.4177

57.6296, 0.3323,
0.3164

 39.0749, 0.2543,
0.4301

 61.1854, 0.3430,
0.3105

 38.8335, 0.2556,
0.4400

 63.4225, 0.3465,
0.3047

 63.7504, 0.3414,
0.2984

 64.0906, 0.3365,
0.2923

Harmonies

Analogous

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



44.9477, 0.3129, 0.3831



44.9477, 0.2804, 0.3582



44.9477, 0.2573, 0.3251

Triad

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



44.9477, 0.2804, 0.3582



44.9477, 0.2774, 0.2729



44.9477, 0.3814, 0.3567

Complementary

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



44.9477, 0.2804, 0.3582



29.2396, 0.3611, 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.



44.9477, 0.3711, 0.3285



44.9477, 0.2804, 0.3582



44.9477, 0.3095, 0.2819

Square

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



44.9477, 0.2804, 0.3582



44.9477, 0.2557, 0.2773



44.9477, 0.3442, 0.3018



44.9477, 0.3720, 0.3799

Rectangle

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



44.9477, 0.2804, 0.3582



44.9477, 0.2497, 0.3044



44.9477, 0.3442, 0.3018



44.9477, 0.3801, 0.3475

Sweetspot

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



44.9495, 0.2804, 0.3582



88.6089, 0.3019, 0.3373



45.3908, 0.3247, 0.4176



19.3237, 0.3004, 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.



44.9495, 0.2804, 0.3582



78.5285, 0.2747, 0.3654



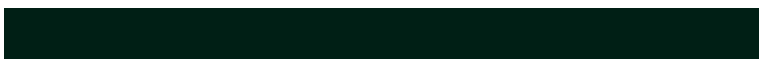
41.4877, 0.2658, 0.3142



10.7549, 0.3027, 0.3366



25.5341, 0.2551, 0.4384



1.0118, 0.2469, 0.4089

Inverse Universe

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



29.2396, 0.3611, 0.3019



46.2052, 0.3755, 0.2960



31.4896, 0.3805, 0.3432



9.5866, 0.3238, 0.3215



7.5257, 0.5632, 0.2876



0.3071, 0.4942, 0.2496

Previews

White Background



This preview shows how the Yxy color 44.9477, 0.2804, 0.3582 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 44.9477, 0.2804, 0.3582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

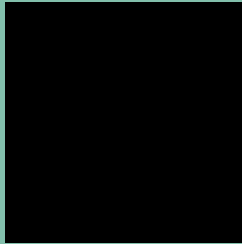
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

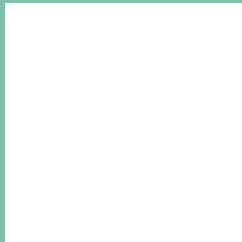
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9477, 0.2804, 0.3582

Background



This preview shows how black text looks on a background with the Yxy color 44.9477, 0.2804, 0.3582.



This preview shows how white text looks on a background with the Yxy color 44.9477, 0.2804, 0.3582.

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

44.9477, 0.2804, 0.3582

Protanopia

44.4389, 0.3306, 0.3463

Deuteranopia

44.3360, 0.3320, 0.3252



Tritanopia

45.1233, 0.2646, 0.3082

Trichromacy



Original Color

44.9477, 0.2804, 0.3582

Protanomaly

44.2453, 0.3100, 0.3498

Deuteranomaly

44.0668, 0.3107, 0.3358

Tritanomaly

44.7964, 0.2697, 0.3246

Monochromacy



Original Color

44.9477, 0.2804, 0.3582

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.7116, 0.2994, 0.3404

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9477, 0.2804, 0.3582 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(130, 191, 171)` looks like.

```
.text, #text, p{  
    color:rgb(130, 191, 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(130, 191, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 191, 171) }
```

Border

The CSS property to change the border of an element to Yxy 44.9477, 0.2804, 0.3582 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(130, 191, 171) }
```

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

```
.border{ border-color:rgb(130, 191, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 191, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 191, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 191, 171);  
box-shadow:4px 4px 4px 4px rgb(130, 191,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9477, 0.2804, 0.3582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 191, 171) }
```

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

```
.background{ background-color: rgb(130,  
191, 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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