

Converting Colors

$Yxy(32.9026, 0.2752, 0.4076)$

Have a look what the booklet for
Yxy(32.9026, 0.2752, 0.4076)
contains.

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Color

Yxy(32.9026, 0.2752, 0.4076)

Conversions

Conversions Part 1

Format	Color
Hex	53AC80
RGB	83, 172, 128
RGB Percent	33%, 67%, 50%
CMY	0.6746, 0.3255, 0.4980
CMYK	0.52, 0.00, 0.26, 0.33
HSL	150°, 35%, 50%
HSV	150°, 52%, 67%
XYZ	22.2149, 32.9026, 25.6053
YIQ	140.3730, -38.9200, -32.5520

Conversions

Conversions Part 2

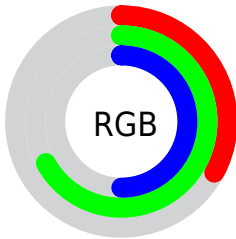
Format	Color
RYB	83, 142, 172
Decimal	5483648
CIELab	64.08, -37.19, 14.62
CIElCh	64, 39.961, 158.534
Yxy	32.9026, 0.2752, 0.4076
Android (android.graphics.Color)	4283673728 (0xFF53AC80)
YUV	140.3730, -6.0999, -50.3161
Hunter-Lab	57.3608, -31.2512, 13.6861

Details

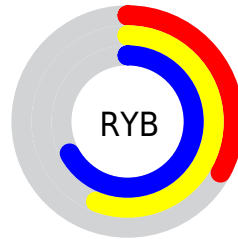
The Yxy color **32.9026, 0.2752, 0.4076** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.4857, 0.3835, 0.2642**, and the grayscale version is **26.4124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2263, 0.2832, 0.3906**, and **13.9176, 0.2609, 0.4366** is the 20% darker color. If you saturate the color by 10%, you get **32.0019, 0.2710, 0.4263**, and if you desaturate by 10%, it is **34.0188, 0.2808, 0.3897**.

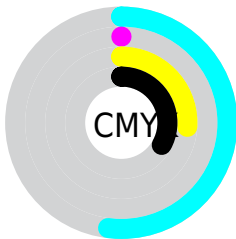
Distribution



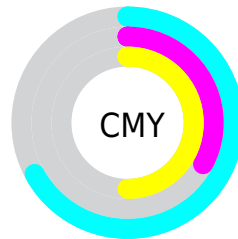
- Red (33%)
- Green (67%)
- Blue (50%)



- Red (33%)
- Yellow (56%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (26%)
- Black (33%)




- Cyan (67%)
- Magenta (33%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9026, 0.2752, 0.4076 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 32.9026, 0.2752, 0.4076 by changing the saturation by 10% instead.


 32.9026, 0.2752,
0.4076


 32.9026, 0.2752,
0.4076


315.2106, 0.2960,
0.3640

 22.0518, 0.2692,
0.4201


 64.2234, 0.2833,
0.3906


 13.8950, 0.2611,
0.4373


 85.4623, 0.2862,
0.3846

 8.0477, 0.2492,
0.4623


 110.9327, 0.2885,
0.3797

 4.1255, 0.2305,
0.5018

 141.0189, 0.2905,
0.3755

 1.7440, 0.1917,
0.5827

176.1054, 0.2922,
0.3720

 0.4519, 0.0000,
1.0000

216.5766, 0.2936,

 0.0000, 0.0000,

0.3690

0.0000

262.8169, 0.2949,
0.3663

■ 32.9026, 0.2752,
0.4076

■ 32.9026, 0.2752,
0.4076

■ 32.0019, 0.2710,
0.4263

■ 34.0188, 0.2808,
0.3897

■ 31.2976, 0.2686,
0.4455

■ 35.3600, 0.2875,
0.3730

■ 30.7739, 0.2680,
0.4646

■ 36.9400, 0.2950,
0.3576

■ 30.4103, 0.2694,
0.4832

■ 38.7703, 0.3030,
0.3436

■ 30.1955, 0.2716,
0.4979

■ 40.8615, 0.3112,
0.3311

■ 43.2239, 0.3196,
0.3199

■ 45.8669, 0.3278,
0.3100

■ 48.7996, 0.3359,
0.3012

■ 52.0307, 0.3437,
0.2936

Harmonies

Analogous

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



32.9026, 0.3355, 0.4418



32.9026, 0.2752, 0.4076



32.9026, 0.2280, 0.3454

Triad

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



32.9026, 0.2752, 0.4076



32.9026, 0.2317, 0.2316



32.9026, 0.4352, 0.3531

Complementary

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



32.9026, 0.2752, 0.4076



16.4857, 0.3835, 0.2642

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.



32.9026, 0.4023, 0.3058



32.9026, 0.2752, 0.4076



32.9026, 0.2802, 0.2393

Square

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



32.9026, 0.2752, 0.4076



32.9026, 0.2055, 0.2462



32.9026, 0.3432, 0.2656



32.9026, 0.4304, 0.3998

Rectangle

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



32.9026, 0.2752, 0.4076



32.9026, 0.2091, 0.3035



32.9026, 0.3432, 0.2656



32.9026, 0.4283, 0.3370

Sweetspot

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



32.9039, 0.2752, 0.4076



68.7693, 0.2993, 0.3498



34.6812, 0.3426, 0.4727



14.8034, 0.2977, 0.3526



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



32.9039, 0.2752, 0.4076



57.8590, 0.2706, 0.4289



34.3239, 0.2468, 0.3288



9.0044, 0.3050, 0.3404



22.4798, 0.2711, 0.4961



0.6364, 0.2557, 0.4405

Inverse Universe

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



16.4857, 0.3835, 0.2642



24.7851, 0.4078, 0.2529



15.5783, 0.4582, 0.3294



8.0789, 0.3212, 0.3178



7.0259, 0.4950, 0.2501



0.2065, 0.4291, 0.2138

Previews

White Background



This preview shows how the Yxy color 32.9026, 0.2752, 0.4076 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 32.9026, 0.2752, 0.4076 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 32.9026, 0.2752, 0.4076

Background



This preview shows how black text looks on a background with the Yxy color 32.9026, 0.2752, 0.4076.



This preview shows how white text looks on a background with the Yxy color 32.9026, 0.2752, 0.4076.

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

32.9026, 0.2752, 0.4076

Protanopia

32.4666, 0.3569, 0.3803

Deuteranopia

32.5355, 0.3585, 0.3522



Tritanopia

32.7063, 0.2484, 0.3063

Trichromacy



Original Color

32.9026, 0.2752, 0.4076



Protanomaly

32.0707, 0.3212, 0.3915



Deuteranomaly

31.5923, 0.3226, 0.3708



Tritanomaly

32.8186, 0.2583, 0.3423

Monochromacy



Original Color

32.9026, 0.2752, 0.4076



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.1560, 0.2949, 0.3567

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9026, 0.2752, 0.4076 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(83, 172, 128)` looks like.

```
.text, #text, p{  
    color:rgb(83, 172, 128)  
}
```

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(83, 172, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 172, 128) }
```

Border

The CSS property to change the border of an element to Yxy 32.9026, 0.2752, 0.4076 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(83, 172, 128) }
```

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

```
.border{ border-color:rgb(83, 172, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 172, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 172, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 172, 128);  
box-shadow:4px 4px 4px 4px rgb(83, 172,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9026, 0.2752, 0.4076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 172, 128) }
```

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

```
.background{ background-color: rgb(83, 172,  
128) }
```

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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