

Converting Colors

$Yxy(32.3160, 0.2660, 0.4075)$

Have a look what the booklet for
Yxy(32.3160, 0.2660, 0.4075)
contains.

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Color

Yxy(32.3190, 0.2660, 0.4075)

Conversions

Conversions Part 1

Format	Color
Hex	44AC81
RGB	68, 172, 129
RGB Percent	27%, 67%, 51%
CMY	0.7335, 0.3255, 0.4941
CMYK	0.60, 0.00, 0.25, 0.33
HSL	155°, 43%, 47%
HSV	155°, 60%, 67%
XYZ	21.0966, 32.3190, 25.8949
YIQ	136.0020, -48.1810, -35.4210

Conversions

Conversions Part 2

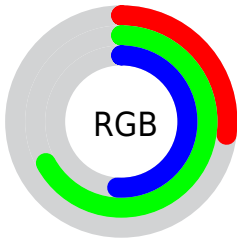
Format	Color
RYB	68, 134, 172
Decimal	4500609
CIELab	63.61, -40.39, 13.34
CIElCh	64, 42.539, 161.726
Yxy	32.3190, 0.2660, 0.4075
Android (android.graphics.Color)	4282690689 (0xFF44AC81)
YUV	136.0020, -3.4520, -59.6378
Hunter-Lab	56.8498, -33.2470, 12.7885

Details

The Yxy color **32.3190, 0.2660, 0.4075** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.0477, 0.4174, 0.2672**, and the grayscale version is **24.6446, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2998, 0.2761, 0.3902**, and **13.7728, 0.2542, 0.4353** is the 20% darker color. If you saturate the color by 10%, you get **31.6078, 0.2627, 0.4233**, and if you desaturate by 10%, it is **33.2273, 0.2711, 0.3922**.

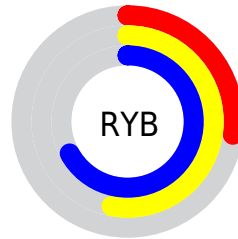
Distribution



Red (27%)

Green (67%)

Blue (51%)



Red (27%)

Yellow (53%)

Blue (67%)

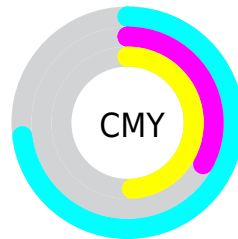


Cyan (60%)

Magenta (0%)

Yellow (25%)

Black (33%)



Cyan (73%)


Magenta (33%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3190, 0.2660, 0.4075 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 32.3190, 0.2660, 0.4075 by changing the saturation by 10% instead.


 32.3190, 0.2660,
0.4075


 32.3190, 0.2660,
0.4075


312.5698, 0.2917,
0.3639


 21.6053, 0.2587,
0.4201


 63.3108, 0.2759,
0.3905

 13.5671, 0.2488,
0.4374


 84.3578, 0.2795,
0.3845


 7.8202, 0.2346,
0.4626


 109.6178, 0.2824,
0.3795

 3.9801, 0.2125,
0.5025

 139.4755, 0.2848,
0.3754

 1.6625, 0.1582,
0.5905

 174.3151, 0.2869,
0.3718

 0.3992, 0.0000,
1.0000

214.5212, 0.2887,

 0.0000, 0.0000,

0.3688

0.0000

260.4779, 0.2903,
0.3662

■ 32.3190, 0.2660,
0.4075

■ 32.3190, 0.2660,
0.4075

■ 31.6078, 0.2627,
0.4233

■ 33.2273, 0.2711,
0.3922

■ 31.0732, 0.2613,
0.4393

■ 34.3436, 0.2776,
0.3775

■ 30.6969, 0.2619,
0.4551

■ 35.6822, 0.2852,
0.3639

■ 30.4457, 0.2638,
0.4698

■ 37.2554, 0.2938,
0.3513

■ 39.0744, 0.3028,
0.3398

■ 41.1496, 0.3123,
0.3295

■ 43.4908, 0.3218,
0.3202

■ 46.1074, 0.3312,
0.3121

■ 49.0083, 0.3405,
0.3048

Harmonies

Analogous

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



32.3190, 0.3294, 0.4487



32.3190, 0.2660, 0.4075



32.3190, 0.2183, 0.3387

Triad

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



32.3190, 0.2660, 0.4075



32.3190, 0.2309, 0.2255



32.3190, 0.4452, 0.3592

Complementary

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



32.3190, 0.2660, 0.4075



14.0477, 0.4174, 0.2672

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.



32.3190, 0.4142, 0.3090



32.3190, 0.2660, 0.4075



32.3190, 0.2845, 0.2359

Square

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



32.3190, 0.2660, 0.4075



32.3190, 0.2007, 0.2378



32.3190, 0.3525, 0.2656



32.3190, 0.4353, 0.4084

Rectangle

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



32.3190, 0.2660, 0.4075



32.3190, 0.2005, 0.2947



32.3190, 0.3525, 0.2656



32.3190, 0.4393, 0.3422

Sweetspot

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



32.3203, 0.2660, 0.4075



68.2575, 0.2957, 0.3487



33.3245, 0.3371, 0.5016



14.6429, 0.2932, 0.3521



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.



32.3203, 0.2660, 0.4075



56.9294, 0.2619, 0.4294



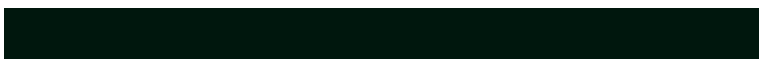
30.5204, 0.2364, 0.3139



9.0152, 0.3039, 0.3385



22.6656, 0.2634, 0.4682



0.6411, 0.2503, 0.4211

Inverse Universe

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



14.0477, 0.4174, 0.2672



20.7713, 0.4564, 0.2603



14.4444, 0.4891, 0.3416



8.0682, 0.3224, 0.3197



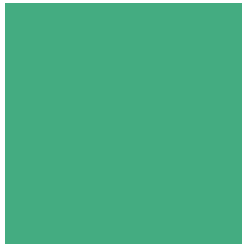
6.8767, 0.5285, 0.2685



0.2024, 0.4507, 0.2257

Previews

White Background



This preview shows how the Yxy color 32.3190, 0.2660, 0.4075 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 32.3190, 0.2660, 0.4075 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

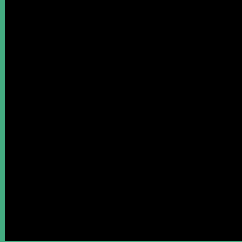
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3190, 0.2660, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 32.3190, 0.2660, 0.4075.



This preview shows how white text looks on a background with the Yxy color 32.3190, 0.2660, 0.4075.

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

32.3190, 0.2660, 0.4075

Protanopia

31.9251, 0.3551, 0.3793

Deuteranopia

31.5873, 0.3548, 0.3481



Tritanopia

32.0962, 0.2414, 0.3058

Trichromacy



Original Color

32.3190, 0.2660, 0.4075



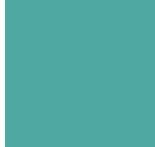
Protanomaly

31.1609, 0.3145, 0.3913



Deuteranomaly

30.5938, 0.3138, 0.3686



Tritanomaly

32.2407, 0.2501, 0.3408

Monochromacy



Original Color

32.3190, 0.2660, 0.4075



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

26.5679, 0.2899, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3190, 0.2660, 0.4075 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(68, 172, 129)` looks like.

```
.text, #text, p{  
    color:rgb(68, 172, 129)  
}
```

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(68, 172, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 172, 129) }
```

Border

The CSS property to change the border of an element to Yxy 32.3190, 0.2660, 0.4075 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(68, 172, 129) }
```

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

```
.border{ border-color:rgb(68, 172, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 172, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 172, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 172, 129);  
box-shadow:4px 4px 4px 4px rgb(68, 172,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3190, 0.2660, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 172, 129) }
```

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

```
.background{ background-color: rgb(68, 172,  
129) }
```

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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