

Converting Colors

$Yxy(32.8725, 0.2632, 0.3988)$

Have a look what the booklet for
Yxy(32.8725, 0.2632, 0.3988)
contains.

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Color

Yxy(32.8736, 0.2636, 0.3993)

Conversions

Conversions Part 1

Format	Color
Hex	45AD86
RGB	69, 173, 134
RGB Percent	27%, 68%, 53%
CMY	0.7293, 0.3216, 0.4745
CMYK	0.60, 0.00, 0.23, 0.32
HSL	157°, 43%, 47%
HSV	157°, 60%, 68%
XYZ	21.7017, 32.8736, 27.7528
YIQ	137.4580, -49.4650, -34.1770

Conversions

Conversions Part 2

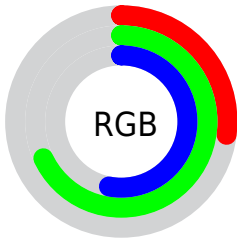
Format	Color
RYB	69, 133, 173
Decimal	4566406
CIELab	64.06, -39.48, 11.22
CIElCh	64, 41.043, 164.129
Yxy	32.8736, 0.2636, 0.3993
Android (android.graphics.Color)	4282756486 (0xFF45AD86)
YUV	137.4580, -1.7048, -60.0377
Hunter-Lab	57.3355, -32.7743, 11.4360

Details

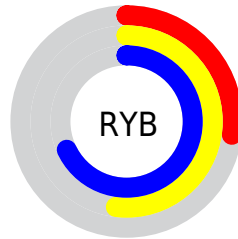
The Yxy color **32.8736, 0.2636, 0.3993** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.2273, 0.4238, 0.2732**, and the grayscale version is **25.2222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1385, 0.2741, 0.3844**, and **14.0730, 0.2516, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **32.1560, 0.2599, 0.4135**, and if you desaturate by 10%, it is **33.7894, 0.2690, 0.3855**.

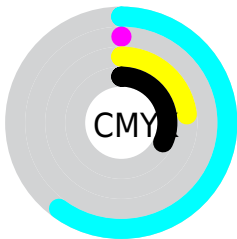
Distribution



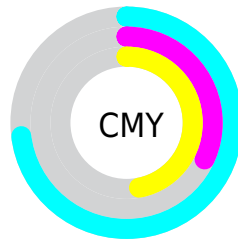
- Red (27%)
- Green (68%)
- Blue (53%)



- Red (27%)
- Yellow (52%)
- Blue (68%)



- Cyan (60%)
- Magenta (0%)
- Yellow (23%)
- Black (32%)





- Cyan (73%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8736, 0.2636, 0.3993 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 32.8736, 0.2636, 0.3993 by changing the saturation by 10% instead.

 32.8736, 0.2636,
0.3993


 32.8736, 0.2636,
0.3993


315.0798, 0.2903,
0.3606


 22.0296, 0.2562,
0.4104


 64.1781, 0.2738,
0.3843

 13.8787, 0.2462,
0.4255


 85.4075, 0.2775,
0.3789


 8.0363, 0.2319,
0.4474


 110.8674, 0.2805,
0.3745

 4.1182, 0.2101,
0.4817

 140.9424, 0.2831,
0.3708

 1.7399, 0.1629,
0.5497

 176.0167, 0.2853,
0.3677

 0.4493, 0.0000,
1.0000

216.4747, 0.2872,

 0.0000, 0.0000,

0.3650

0.0000

262.7010, 0.2888,
0.3626

■ 32.8736, 0.2636,
0.3993

■ 32.8736, 0.2636,
0.3993

■ 32.1560, 0.2599,
0.4135

■ 33.7894, 0.2690,
0.3855

■ 31.6158, 0.2581,
0.4280

■ 34.9142, 0.2760,
0.3724

■ 31.2349, 0.2583,
0.4423

■ 36.2626, 0.2841,
0.3601

■ 30.9725, 0.2601,
0.4562

■ 37.8468, 0.2931,
0.3488

■ 39.6781, 0.3027,
0.3384

■ 41.7669, 0.3126,
0.3291

■ 44.1232, 0.3227,
0.3207

■ 46.7564, 0.3327,
0.3133

■ 49.6753, 0.3426,
0.3068

Harmonies

Analogous

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



32.8736, 0.3240, 0.4418



32.8736, 0.2636, 0.3993



32.8736, 0.2192, 0.3332

Triad

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



32.8736, 0.2636, 0.3993



32.8736, 0.2373, 0.2291



32.8736, 0.4406, 0.3626

Complementary

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



32.8736, 0.2636, 0.3993



14.2273, 0.4238, 0.2732

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.



32.8736, 0.4138, 0.3137



32.8736, 0.2636, 0.3993



32.8736, 0.2906, 0.2408

Square

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



32.8736, 0.2636, 0.3993



32.8736, 0.2061, 0.2394



32.8736, 0.3563, 0.2709



32.8736, 0.4283, 0.4094

Rectangle

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



32.8736, 0.2636, 0.3993



32.8736, 0.2033, 0.2919



32.8736, 0.3563, 0.2709



32.8736, 0.4360, 0.3461

Sweetspot

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



32.8749, 0.2636, 0.3993



68.3336, 0.2948, 0.3468



33.5615, 0.3340, 0.5023



14.6617, 0.2921, 0.3499



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.



32.8749, 0.2636, 0.3993



57.2504, 0.2591, 0.4181



29.7280, 0.2354, 0.3080



9.0203, 0.3035, 0.3376



22.7649, 0.2596, 0.4547



0.6434, 0.2478, 0.4120

Inverse Universe

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



14.2273, 0.4238, 0.2732



20.8890, 0.4638, 0.2674



15.2226, 0.4839, 0.3465



8.0632, 0.3230, 0.3205



6.8167, 0.5439, 0.2770



0.2004, 0.4619, 0.2318

Previews

White Background



This preview shows how the Yxy color 32.8736, 0.2636, 0.3993 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 32.8736, 0.2636, 0.3993 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 32.8736, 0.2636, 0.3993

Background



This preview shows how black text looks on a background with the Yxy color 32.8736, 0.2636, 0.3993.

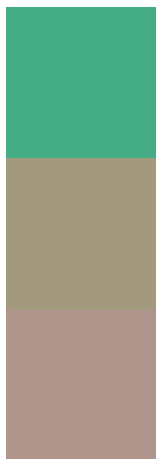


This preview shows how white text looks on a background with the Yxy color 32.8736, 0.2636, 0.3993.

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

32.8736, 0.2636, 0.3993

Protanopia

32.3784, 0.3498, 0.3731

Deuteranopia

32.4729, 0.3501, 0.3436



Tritanopia

32.8640, 0.2415, 0.3076

Trichromacy



Original Color

32.8736, 0.2636, 0.3993



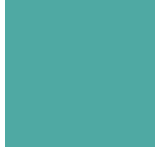
Protanomaly

31.7154, 0.3111, 0.3840



Deuteranomaly

31.4941, 0.3101, 0.3632



Tritanomaly

32.6825, 0.2492, 0.3390

Monochromacy



Original Color

32.8736, 0.2636, 0.3993



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.0350, 0.2883, 0.3538

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8736, 0.2636, 0.3993 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(69, 173, 134)` looks like.

```
.text, #text, p{  
    color:rgb(69, 173, 134)  
}
```

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(69, 173, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 173, 134) }
```

Border

The CSS property to change the border of an element to Yxy 32.8736, 0.2636, 0.3993 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(69, 173, 134) }
```

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

```
.border{ border-color:rgb(69, 173, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 173, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 173, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 173, 134);  
box-shadow:4px 4px 4px 4px rgb(69, 173,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8736, 0.2636, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 173, 134) }
```

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

```
.background{ background-color: rgb(69, 173,  
134) }
```

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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