

Converting Colors

$Yxy(32.8599, 0.2822, 0.4006)$

Have a look what the booklet for
Yxy(32.8599, 0.2822, 0.4006)
contains.

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Color

Yxy(32.7673, 0.2822, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	5FAA81
RGB	95, 170, 129
RGB Percent	37%, 67%, 51%
CMY	0.6275, 0.3333, 0.4942
CMYK	0.44, 0.00, 0.24, 0.33
HSL	147°, 31%, 52%
HSV	147°, 44%, 67%
XYZ	23.0539, 32.7673, 25.8724
YIQ	142.9010, -31.5390, -28.6510

Conversions

Conversions Part 2

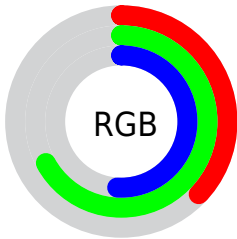
Format	Color
RYB	95, 147, 170
Decimal	6269569
CIELab	63.97, -32.89, 14.01
CIELCh	64, 35.744, 156.930
Yxy	32.7673, 0.2822, 0.4011
Android (android.graphics.Color)	4284459649 (0xFF5FAA81)
YUV	142.9010, -6.8532, -42.0092
Hunter-Lab	57.2427, -28.2857, 13.2722

Details

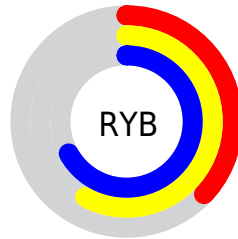
The Yxy color **32.7673, 0.2822, 0.4011** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.5055, 0.3631, 0.2676**, and the grayscale version is **27.4622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1597, 0.2888, 0.3858**, and **13.7732, 0.2702, 0.4266** is the 20% darker color. If you saturate the color by 10%, you get **31.7196, 0.2774, 0.4212**, and if you desaturate by 10%, it is **34.0388, 0.2881, 0.3822**.

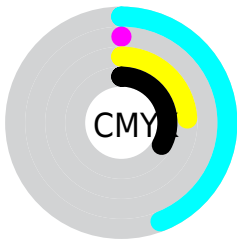
Distribution



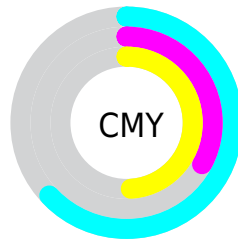
- Red (37%)
- Green (67%)
- Blue (51%)



- Red (37%)
- Yellow (58%)
- Blue (67%)



- Cyan (44%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)




- Cyan (63%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7673, 0.2822, 0.4011 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 32.7673, 0.2822, 0.4011 by changing the saturation by 10% instead.


 32.7673, 0.2822,
0.4011


 32.7673, 0.2822,
0.4011


314.5999, 0.2992,
0.3612

 21.9482, 0.2773,
0.4125


 64.0121, 0.2888,
0.3856


 13.8189, 0.2706,
0.4282


 85.2065, 0.2912,
0.3801

 7.9948, 0.2607,
0.4509


 110.6283, 0.2931,
0.3756

 4.0916, 0.2451,
0.4868

 140.6617, 0.2947,
0.3718

 1.7249, 0.2155,
0.5569

175.6912, 0.2961,
0.3685

 0.4397, 0.0000,
1.0000

216.1011, 0.2972,

 0.0000, 0.0000,

0.3658

0.0000

262.2759, 0.2983,
0.3634

■ 32.7673, 0.2822,
0.4011

■ 32.7673, 0.2822,
0.4011

■ 31.7196, 0.2774,
0.4212

■ 34.0388, 0.2881,
0.3822

■ 30.8780, 0.2740,
0.4422

■ 35.5427, 0.2949,
0.3647

■ 30.2287, 0.2724,
0.4634

■ 37.2916, 0.3021,
0.3487


■ 29.7542, 0.2726,
0.4842

■ 39.2963, 0.3096,
0.3344

■ 29.4335, 0.2747,
0.5040

■ 41.5670, 0.3172,
0.3217

 29.2887, 0.2764,
0.5151

 44.1131, 0.3246,
0.3105

 46.9437, 0.3319,
0.3006

 50.0675, 0.3390,
0.2919

 53.4925, 0.3457,
0.2843

Harmonies

Analogous

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



32.7673, 0.3369, 0.4299



32.7673, 0.2822, 0.4011



32.7673, 0.2382, 0.3472

Triad

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



32.7673, 0.2822, 0.4011



32.7673, 0.2377, 0.2409



32.7673, 0.4217, 0.3494

Complementary

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



32.7673, 0.2822, 0.4011



18.5055, 0.3631, 0.2676

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.



32.7673, 0.3906, 0.3063



32.7673, 0.2822, 0.4011



32.7673, 0.2810, 0.2466

Square

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



32.7673, 0.2822, 0.4011



32.7673, 0.2148, 0.2559



32.7673, 0.3372, 0.2699



32.7673, 0.4197, 0.3919

Rectangle

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



32.7673, 0.2822, 0.4011



32.7673, 0.2200, 0.3096



32.7673, 0.3372, 0.2699



32.7673, 0.4148, 0.3347

Sweetspot

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



32.7686, 0.2822, 0.4011



67.9617, 0.3028, 0.3474



34.8329, 0.3432, 0.4488



14.9923, 0.3012, 0.3507



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.



32.7686, 0.2822, 0.4011



57.5756, 0.2775, 0.4209



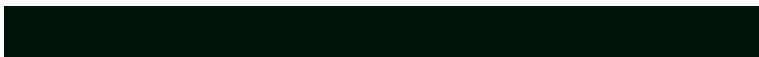
33.9467, 0.2566, 0.3350



8.4622, 0.3057, 0.3416



21.5541, 0.2759, 0.5131



0.5348, 0.2576, 0.4475

Inverse Universe

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



18.5055, 0.3631, 0.2676



28.3090, 0.3798, 0.2549



17.6236, 0.4206, 0.3236



7.6084, 0.3204, 0.3167



6.8787, 0.4729, 0.2379



0.1775, 0.4105, 0.2035

Previews

White Background



This preview shows how the Yxy color 32.7673, 0.2822, 0.4011 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 32.7673, 0.2822, 0.4011 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 32.7673, 0.2822, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 32.7673, 0.2822, 0.4011.

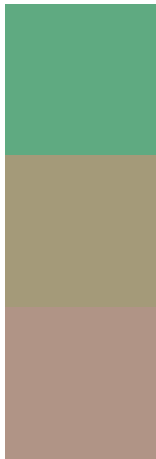


This preview shows how white text looks on a background with the Yxy color 32.7673, 0.2822, 0.4011.

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

32.7673, 0.2822, 0.4011

Protanopia

32.3842, 0.3548, 0.3790

Deuteranopia

32.1311, 0.3567, 0.3494



Tritanopia

32.8510, 0.2558, 0.3081

Trichromacy



Original Color

32.7673, 0.2822, 0.4011

Protanomaly

32.0858, 0.3244, 0.3876

Deuteranomaly

31.6459, 0.3259, 0.3672

Tritanomaly

32.6941, 0.2651, 0.3388

Monochromacy



Original Color

32.7673, 0.2822, 0.4011

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

29.0531, 0.2998, 0.3543

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7673, 0.2822, 0.4011 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(95, 170, 129)` looks like.

```
.text, #text, p{  
  color:rgb(95, 170, 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(95, 170, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 170, 129) }
```

Border

The CSS property to change the border of an element to Yxy 32.7673, 0.2822, 0.4011 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(95, 170, 129) }
```

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

```
.border{ border-color:rgb(95, 170, 129) }
```

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

Here you see how a box with a 4 pixel rgb(95, 170, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 170, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 170, 129);  
box-shadow:4px 4px 4px 4px rgb(95, 170,  
129) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.7673, 0.2822, 0.4011$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 170, 129) }
```

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

```
.background{ background-color: rgb(95, 170,  
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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