

Converting Colors

$Yxy(32.4852, 0.2664, 0.3763)$

Have a look what the booklet for
Yxy(32.4852, 0.2664, 0.3763)
contains.

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Color

Yxy(32.3074, 0.2669, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	56A98E
RGB	86, 169, 142
RGB Percent	34%, 66%, 56%
CMY	0.6627, 0.3372, 0.4432
CMYK	0.49, 0.00, 0.16, 0.34
HSL	160°, 33%, 50%
HSV	160°, 49%, 66%
XYZ	22.9087, 32.3074, 30.6165
YIQ	141.1050, -40.8010, -25.9930

Conversions

Conversions Part 2

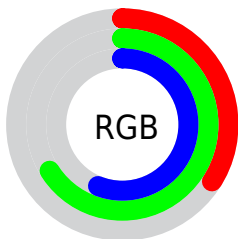
Format	Color
RYB	86, 136, 169
Decimal	5679502
CIELab	63.60, -31.92, 6.21
CIELCh	64, 32.520, 168.996
Yxy	32.3074, 0.2669, 0.3764
Android (android.graphics.Color)	4283869582 (0xFF56A98E)
YUV	141.1050, 0.4412, -48.3271
Hunter-Lab	56.8396, -27.5264, 7.8513

Details

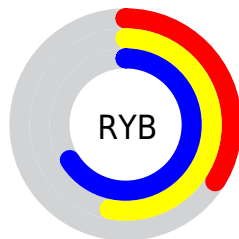
The Yxy color **32.3074, 0.2669, 0.3764** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.2864, 0.4010, 0.2881**, and the grayscale version is **26.6915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4987, 0.2762, 0.3663**, and **13.4965, 0.2508, 0.3923** is the 20% darker color. If you saturate the color by 10%, you get **31.4378, 0.2609, 0.3881**, and if you desaturate by 10%, it is **33.3774, 0.2744, 0.3652**.

Distribution



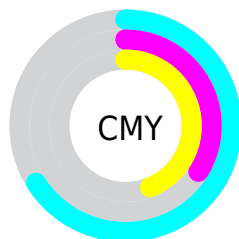
- Red (34%)
- Green (66%)
- Blue (56%)



- Red (34%)
- Yellow (53%)
- Blue (66%)



- Cyan (49%)
- Magenta (0%)
- Yellow (16%)
- Black (34%)




- Cyan (66%)
- Magenta (34%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3074, 0.2669, 0.3764 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 32.3074, 0.2669, 0.3764 by changing the saturation by 10% instead.


 32.3074, 0.2669,
0.3764


 32.3074, 0.2669,
0.3764


312.5172, 0.2915,
0.3506


 21.5964, 0.2602,
0.3836


 63.2927, 0.2762,
0.3665


 13.5606, 0.2512,
0.3935

 84.3358, 0.2796,
0.3629

 7.8157, 0.2385,
0.4076


 109.5917, 0.2824,
0.3600

 3.9773, 0.2193,
0.4294

 139.4448, 0.2848,
0.3575

 1.6609, 0.1841,
0.4695

174.2795, 0.2868,
0.3554

 0.3981, 0.0000,
1.0000

214.4802, 0.2886,

 0.0000, 0.0000,

0.3536

0.0000

260.4313, 0.2901,
0.3520

■ 32.3074, 0.2669,
0.3764

■ 32.3074, 0.2669,
0.3764

■ 31.4378, 0.2609,
0.3881

■ 33.3774, 0.2744,
0.3652

■ 30.7510, 0.2566,
0.4002

■ 34.6564, 0.2831,
0.3548

■ 30.2328, 0.2542,
0.4126


■ 36.1569, 0.2928,
0.3451

■ 29.8652, 0.2537,
0.4249

■ 37.8894, 0.3030,
0.3363

■ 29.6126, 0.2549,
0.4370


■ 39.8638, 0.3137,
0.3283

 29.5915, 0.2550,
0.4381

 42.0893, 0.3245,
0.3212

 44.5746, 0.3352,
0.3148

 47.3282, 0.3458,
0.3092

 50.3579, 0.3562,
0.3043

Harmonies

Analogous

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



32.3074, 0.3148, 0.4138



32.3074, 0.2669, 0.3764



32.3074, 0.2330, 0.3249

Triad

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



32.3074, 0.2669, 0.3764



32.3074, 0.2578, 0.2476



32.3074, 0.4154, 0.3647

Complementary

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



32.3074, 0.2669, 0.3764



16.2864, 0.4010, 0.2881

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.



32.3074, 0.3985, 0.3241



32.3074, 0.2669, 0.3764



32.3074, 0.3038, 0.2598

Square

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



32.3074, 0.2669, 0.3764



32.3074, 0.2284, 0.2539



32.3074, 0.3562, 0.2870



32.3074, 0.4020, 0.4008

Rectangle

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



32.3074, 0.2669, 0.3764



32.3074, 0.2217, 0.2935



32.3074, 0.3562, 0.2870



32.3074, 0.4132, 0.3512

Sweetspot

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



32.3087, 0.2669, 0.3764



65.8930, 0.2967, 0.3416



32.6047, 0.3287, 0.4707



14.2296, 0.2946, 0.3435



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.3087, 0.2669, 0.3764



56.1709, 0.2604, 0.3893



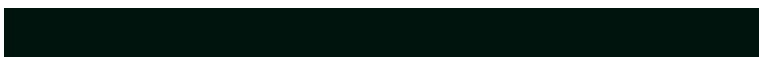
28.3436, 0.2449, 0.3051



8.4899, 0.3029, 0.3365



22.0640, 0.2547, 0.4369



0.5456, 0.2435, 0.3968

Inverse Universe

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



16.2864, 0.4010, 0.2881



24.0709, 0.4330, 0.2808



18.1926, 0.4351, 0.3505



7.5811, 0.3237, 0.3217



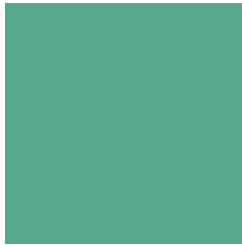
6.5011, 0.5626, 0.2873



0.1675, 0.4718, 0.2373

Previews

White Background



This preview shows how the Yxy color 32.3074, 0.2669, 0.3764 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 32.3074, 0.2669, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

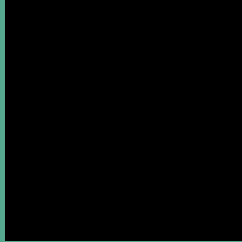
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3074, 0.2669, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 32.3074, 0.2669, 0.3764.



This preview shows how white text looks on a background with the Yxy color 32.3074, 0.2669, 0.3764.

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

32.3074, 0.2669, 0.3764

Protanopia

31.9773, 0.3381, 0.3581

Deuteranopia

31.8012, 0.3378, 0.3320



Tritanopia

32.2120, 0.2487, 0.3077

Trichromacy



Original Color

32.3074, 0.2669, 0.3764

Protanomaly

31.5890, 0.3072, 0.3650

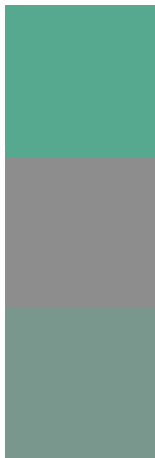
Deuteranomaly

31.3102, 0.3061, 0.3466

Tritanomaly

32.2281, 0.2551, 0.3322

Monochromacy



Original Color

32.3074, 0.2669, 0.3764

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

28.1213, 0.2924, 0.3461

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3074, 0.2669, 0.3764 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(86, 169, 142)` looks like.

```
.text, #text, p{  
    color:rgb(86, 169, 142)  
}
```

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(86, 169, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 169, 142) }
```

Border

The CSS property to change the border of an element to Yxy 32.3074, 0.2669, 0.3764 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(86, 169, 142) }
```

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

```
.border{ border-color:rgb(86, 169, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 169, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 169, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 169, 142);  
box-shadow:4px 4px 4px 4px rgb(86, 169,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3074, 0.2669, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 169, 142) }
```

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

```
.background{ background-color: rgb(86, 169,  
142) }
```

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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