

Converting Colors

$Yxy(32.2172, 0.2588, 0.3800)$

Have a look what the booklet for
Yxy(32.2172, 0.2588, 0.3800)
contains.

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Color

Yxy(32.0420, 0.2586, 0.3791)

Conversions

Conversions Part 1

Format	Color
Hex	47AA8E
RGB	71, 170, 142
RGB Percent	28%, 67%, 56%
CMY	0.7214, 0.3333, 0.4432
CMYK	0.58, 0.00, 0.16, 0.33
HSL	163°, 41%, 47%
HSV	163°, 58%, 67%
XYZ	21.8572, 32.0420, 30.6220
YIQ	137.2070, -50.0160, -29.6960

Conversions

Conversions Part 2

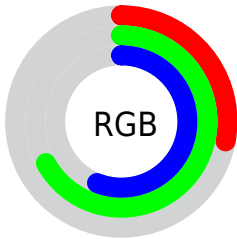
Format	Color
RYB	71, 129, 170
Decimal	4696718
CIELab	63.38, -35.82, 5.82
CIELCh	63, 36.286, 170.766
Yxy	32.0420, 0.2586, 0.3791
Android (android.graphics.Color)	4282886798 (0xFF47AA8E)
YUV	137.2070, 2.3629, -58.0635
Hunter-Lab	56.6057, -30.1355, 7.5498

Details

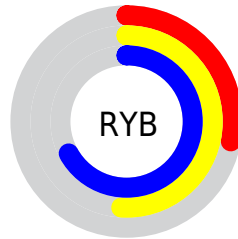
The Yxy color **32.0420, 0.2586, 0.3791** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.9586, 0.4353, 0.2881**, and the grayscale version is **25.1075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9674, 0.2694, 0.3683**, and **13.4953, 0.2433, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **31.3462, 0.2538, 0.3895**, and if you desaturate by 10%, it is **32.9264, 0.2651, 0.3691**.

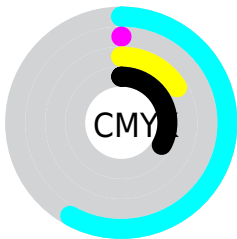
Distribution



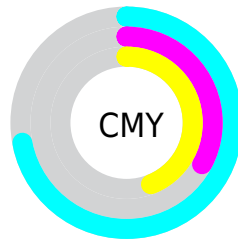
- Red (28%)
- Green (67%)
- Blue (56%)



- Red (28%)
- Yellow (51%)
- Blue (67%)



- Cyan (58%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)




- Cyan (72%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0420, 0.2586, 0.3791 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 32.0420, 0.2586, 0.3791 by changing the saturation by 10% instead.


 32.0420, 0.2586,
0.3791


 32.0420, 0.2586,
0.3791


311.3105, 0.2876,
0.3518


 21.3936, 0.2507,
0.3867


 62.8769, 0.2696,
0.3686


 13.4120, 0.2401,
0.3971


 83.8322, 0.2736,
0.3648


 7.7129, 0.2253,
0.4120


 108.9919, 0.2769,
0.3617

 3.9118, 0.2031,
0.4350

 138.7405, 0.2797,
0.3591

 1.6243, 0.1576,
0.4800

 173.4622, 0.2821,
0.3569

 0.3739, 0.0000,
0.9999

213.5415, 0.2842,

 0.0000, 0.0000,

0.3550

0.0000

259.3628, 0.2860,
0.3533

■ 32.0420, 0.2586,
0.3791

■ 32.0420, 0.2586,
0.3791

■ 31.3462, 0.2538,
0.3895

■ 32.9264, 0.2651,
0.3691

■ 30.8197, 0.2509,
0.4000

■ 34.0093, 0.2732,
0.3595

■ 30.4456, 0.2499,
0.4106

■ 35.3044, 0.2824,
0.3506

■ 30.1930, 0.2506,
0.4211

■ 36.8231, 0.2926,
0.3423

■ 30.1520, 0.2508,
0.4230

■ 38.5758, 0.3035,
0.3347

■ 40.5726, 0.3147,
0.3278

■ 42.8227, 0.3262,
0.3217

■ 45.3348, 0.3376,
0.3162

■ 48.1174, 0.3489,
0.3114

Harmonies

Analogous

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



32.0420, 0.3111, 0.4232



32.0420, 0.2586, 0.3791



32.0420, 0.2227, 0.3205

Triad

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



32.0420, 0.2586, 0.3791



32.0420, 0.2541, 0.2394



32.0420, 0.4275, 0.3702

Complementary

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



32.0420, 0.2586, 0.3791



13.9586, 0.4353, 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.



32.0420, 0.4109, 0.3255



32.0420, 0.2586, 0.3791



32.0420, 0.3059, 0.2539

Square

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



32.0420, 0.2586, 0.3791



32.0420, 0.2207, 0.2445



32.0420, 0.3645, 0.2845



32.0420, 0.4101, 0.4102

Rectangle

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



32.0420, 0.2586, 0.3791



32.0420, 0.2114, 0.2859



32.0420, 0.3645, 0.2845



32.0420, 0.4259, 0.3554

Sweetspot

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



32.0433, 0.2586, 0.3791



67.0821, 0.2936, 0.3416



31.8617, 0.3252, 0.5013



14.8317, 0.2915, 0.3431



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.



32.0433, 0.2586, 0.3791



56.5512, 0.2527, 0.3927



25.5984, 0.2333, 0.2908



8.4953, 0.3023, 0.3355



22.1901, 0.2505, 0.4218



0.5480, 0.2409, 0.3873

Inverse Universe

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



13.9586, 0.4353, 0.2881



20.6042, 0.4811, 0.2841



16.7388, 0.4653, 0.3609



7.5759, 0.3243, 0.3226



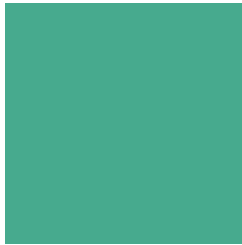
6.4527, 0.5779, 0.2957



0.1656, 0.4869, 0.2456

Previews

White Background



This preview shows how the Yxy color 32.0420, 0.2586, 0.3791 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 32.0420, 0.2586, 0.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

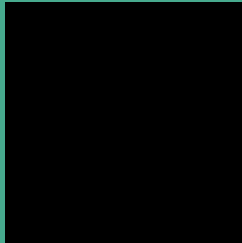
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0420, 0.2586, 0.3791

Background



This preview shows how black text looks on a background with the Yxy color 32.0420, 0.2586, 0.3791.



This preview shows how white text looks on a background with the Yxy color 32.0420, 0.2586, 0.3791.

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

32.0420, 0.2586, 0.3791

Protanopia

31.6235, 0.3393, 0.3581

Deuteranopia

31.4090, 0.3359, 0.3291



Tritanopia

32.0094, 0.2415, 0.3074

Trichromacy



Original Color

32.0420, 0.2586, 0.3791

Protanomaly

31.1630, 0.3034, 0.3672

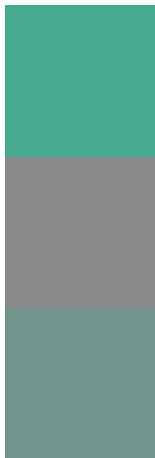
Deuteranomaly

30.4736, 0.3003, 0.3453

Tritanomaly

32.0163, 0.2473, 0.3322

Monochromacy



Original Color

32.0420, 0.2586, 0.3791

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.8697, 0.2866, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0420, 0.2586, 0.3791 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(71, 170, 142)` looks like.

```
.text, #text, p{  
    color:rgb(71, 170, 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(71, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 32.0420, 0.2586, 0.3791 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(71, 170, 142) }
```

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

```
.border{ border-color:rgb(71, 170, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 170, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(71, 170,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0420, 0.2586, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 170, 142) }
```

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

```
.background{ background-color: rgb(71, 170,  
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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