

Converting Colors

$Y_{xy}(32.0722, 0.2579, 0.3772)$

Have a look what the booklet for
Yxy(32.0722, 0.2579, 0.3772)
contains.

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Color

Yxy(32.0722, 0.2579, 0.3772)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 47AA8F |
| RGB | 71, 170, 143 |
| RGB Percent | 28%, 67%, 56% |
| CMY | 0.7218, 0.3333, 0.4392 |
| CMYK | 0.58, 0.00, 0.16, 0.33 |
| HSL | 164°, 41%, 47% |
| HSV | 164°, 58%, 67% |
| XYZ | 21.9285, 32.0722, 31.0264 |
| YIQ | 137.3210, -50.3370, -29.3850 |

Conversions

Conversions Part 2

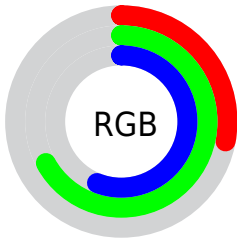
| Format | Color |
|-------------------------------------|------------------------------------------------|
| RYB | 71, 128, 170 |
| Decimal | 4696719 |
| CIELab | 63.40, -35.59, 5.29 |
| CIElCh | 63, 35.981, 171.543 |
| Yxy | 32.0722, 0.2579, 0.3772 |
| Android (android.graphics.Color) | 4282886799 (0xFF47AA8F) |
| YUV | 137.3210, 2.7997, -58.1635 |
| Hunter-Lab | 56.6323, -29.9900, 7.1602 |

Details

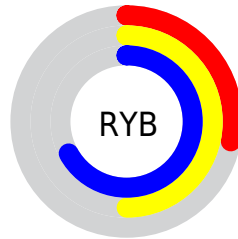
The Yxy color **32.0722, 0.2579, 0.3772** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.9264, 0.4374, 0.2897**, and the grayscale version is **25.1426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0131, 0.2689, 0.3669**, and **13.5129, 0.2425, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **31.3812, 0.2530, 0.3872**, and if you desaturate by 10%, it is **32.9513, 0.2645, 0.3676**.

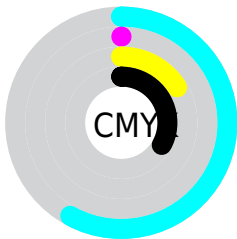
Distribution



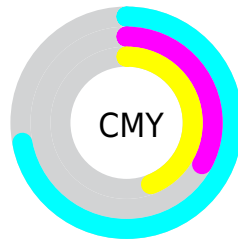
- Red (28%)
- Green (67%)
- Blue (56%)



- Red (28%)
- Yellow (50%)
- 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 32.0722, 0.2579, 0.3772 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 32.0722, 0.2579, 0.3772 by changing the saturation by 10% instead.


 32.0722, 0.2579,
0.3772


 32.0722, 0.2579,
0.3772


311.4480, 0.2872,
0.3510

 21.4167, 0.2499,
0.3845


 62.9243, 0.2690,
0.3671


 13.4289, 0.2393,
0.3944

 83.8896, 0.2730,
0.3635


 7.7245, 0.2244,
0.4086

 109.0602, 0.2764,
0.3605

 3.9192, 0.2021,
0.4305

 138.8207, 0.2792,
0.3580

 1.6285, 0.1572,
0.4729

 173.5553, 0.2816,
0.3559

 0.3767, 0.0000,
0.9036

213.6484, 0.2837,

 0.0000, 0.0000,

0.3540

0.0000

259.4846, 0.2856,
0.3524

■ 32.0722, 0.2579,
0.3772

■ 32.0722, 0.2579,
0.3772

■ 31.3812, 0.2530,
0.3872

■ 32.9513, 0.2645,
0.3676

■ 30.8590, 0.2500,
0.3973

■ 34.0284, 0.2726,
0.3584

■ 30.4887, 0.2490,
0.4074

■ 35.3172, 0.2820,
0.3498

■ 30.2390, 0.2496,
0.4175

■ 36.8291, 0.2923,
0.3418

■ 30.1998, 0.2498,
0.4192

■ 38.5745, 0.3033,
0.3345

■ 40.5635, 0.3147,
0.3279

■ 42.8052, 0.3263,
0.3220

■ 45.3085, 0.3379,
0.3167

■ 48.0818, 0.3493,
0.3120

Harmonies

Analogous

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



32.0722, 0.3097, 0.4216



32.0722, 0.2579, 0.3772



32.0722, 0.2228, 0.3191

Triad

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



32.0722, 0.2579, 0.3772



32.0722, 0.2558, 0.2402



32.0722, 0.4265, 0.3711

Complementary

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



32.0722, 0.2579, 0.3772



13.9264, 0.4374, 0.2897

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.



32.0722, 0.4109, 0.3267



32.0722, 0.2579, 0.3772



32.0722, 0.3074, 0.2551

Square

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



32.0722, 0.2579, 0.3772



32.0722, 0.2220, 0.2448



32.0722, 0.3655, 0.2858



32.0722, 0.4085, 0.4104

Rectangle

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



32.0722, 0.2579, 0.3772



32.0722, 0.2120, 0.2852



32.0722, 0.3655, 0.2858



32.0722, 0.4252, 0.3564

Sweetspot

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



32.0735, 0.2579, 0.3772



67.1020, 0.2934, 0.3411



31.8599, 0.3252, 0.5015



14.8366, 0.2913, 0.3426



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.



32.0735, 0.2579, 0.3772



56.6169, 0.2519, 0.3902



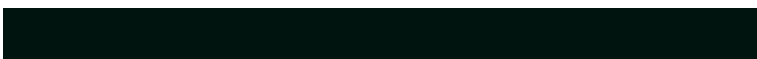
25.5906, 0.2332, 0.2908



8.4966, 0.3022, 0.3352



22.2227, 0.2495, 0.4181



0.5486, 0.2403, 0.3850

Inverse Universe

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



13.9264, 0.4374, 0.2897



20.5688, 0.4839, 0.2859



16.7257, 0.4656, 0.3609



7.5746, 0.3245, 0.3229



6.4418, 0.5815, 0.2977



0.1651, 0.4908, 0.2477

Previews

White Background



This preview shows how the Yxy color 32.0722, 0.2579, 0.3772 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 32.0722, 0.2579, 0.3772 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 32.0722, 0.2579, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 32.0722, 0.2579, 0.3772.



This preview shows how white text looks on a background with the Yxy color 32.0722, 0.2579, 0.3772.

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

32.0722, 0.2579, 0.3772

Protanopia

31.6513, 0.3383, 0.3566

Deuteranopia

31.4406, 0.3349, 0.3276



Tritanopia

31.9636, 0.2410, 0.3074

Trichromacy



Original Color

32.0722, 0.2579, 0.3772



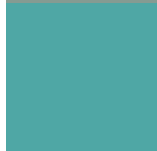
Protanomaly

31.1916, 0.3025, 0.3655



Deuteranomaly

30.5046, 0.2995, 0.3436



Tritanomaly

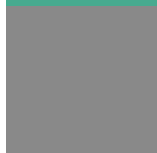
32.0163, 0.2473, 0.3322

Monochromacy



Original Color

32.0722, 0.2579, 0.3772



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 32.0722, 0.2579, 0.3772 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, 143)` looks like.

```
.text, #text, p{  
    color:rgb(71, 170, 143)  
}
```

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, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 170, 143) }
```

Border

The CSS property to change the border of an element to Yxy 32.0722, 0.2579, 0.3772 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, 143) }
```

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

```
.border{ border-color:rgb(71, 170, 143) }
```

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, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 170, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 170, 143);  
box-shadow:4px 4px 4px 4px rgb(71, 170,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0722, 0.2579, 0.3772 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, 143) }
```

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

```
.background{ background-color: rgb(71, 170,  
143) }
```

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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