

Converting Colors

$Yxy(32.4716, 0.2497, 0.3972)$

Have a look what the booklet for
Yxy(32.4716, 0.2497, 0.3972)
contains.

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Color

Yxy(32.4716, 0.2497, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	25AE89
RGB	37, 174, 137
RGB Percent	15%, 68%, 54%
CMY	0.8552, 0.3176, 0.4627
CMYK	0.79, 0.00, 0.21, 0.32
HSL	164°, 65%, 41%
HSV	164°, 79%, 68%
XYZ	20.4133, 32.4716, 28.8664
YIQ	128.8190, -69.7750, -40.5510

Conversions

Conversions Part 2

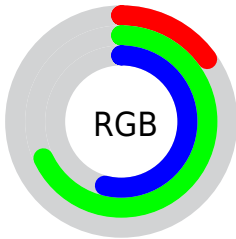
Format	Color
RYB	37, 116, 174
Decimal	2469513
CIELab	63.73, -44.24, 8.99
CIELCh	64, 45.141, 168.519
Yxy	32.4716, 0.2497, 0.3972
Android (android.graphics.Color)	4280659593 (0xFF25AE89)
YUV	128.8190, 4.0332, -80.5253
Hunter-Lab	56.9839, -35.7778, 9.8541

Details

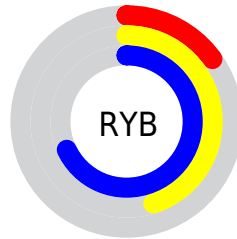
The Yxy color **32.4716, 0.2497, 0.3972** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **10.8107, 0.5134, 0.2868**, and the grayscale version is **21.8835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3146, 0.2625, 0.3828**, and **14.1211, 0.2492, 0.4171** is the 20% darker color. If you saturate the color by 10%, you get **32.0929, 0.2488, 0.4072**, and if you desaturate by 10%, it is **33.0119, 0.2526, 0.3872**.

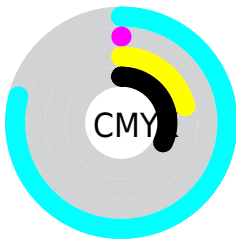
Distribution



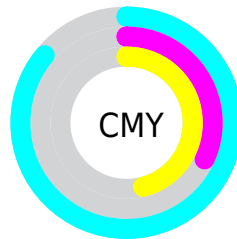
- Red (15%)
- Green (68%)
- Blue (54%)



- Red (15%)
- Yellow (45%)
- Blue (68%)



- Cyan (79%)
- Magenta (0%)
- Yellow (21%)
- Black (32%)




- Cyan (86%)
- Magenta (32%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4716, 0.2497, 0.3972 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 32.4716, 0.2497, 0.3972 by changing the saturation by 10% instead.

 32.4716, 0.2497,
0.3972


 32.4716, 0.2497,
0.3972


313.2620, 0.2836,
0.3597


 21.7220, 0.2404,
0.4078


 63.5497, 0.2626,
0.3827


 13.6527, 0.2280,
0.4223


 84.6469, 0.2673,
0.3775


 7.8795, 0.2106,
0.4432


 109.9621, 0.2711,
0.3733

 4.0180, 0.1845,
0.4758

 139.8798, 0.2744,
0.3697

 1.6836, 0.1186,
0.5472

 174.7842, 0.2772,
0.3666

 0.4130, 0.0000,
1.0000

215.0597, 0.2796,

 0.0000, 0.0000,

0.3640

0.0000

261.0909, 0.2817,
0.3617

■ 32.4716, 0.2497,
0.3972

■ 32.4716, 0.2497,
0.3972

■ 32.0929, 0.2488,
0.4072

■ 33.0119, 0.2526,
0.3872

■ 31.8368, 0.2495,
0.4172

■ 33.7294, 0.2574,
0.3773

■ 31.8081, 0.2496,
0.4184

■ 34.6420, 0.2639,
0.3677

■ 35.7641, 0.2720,
0.3586

■ 37.1091, 0.2814,
0.3500

■ 38.6890, 0.2917,
0.3421

■ 40.5150, 0.3027,
0.3348

■ 42.5976, 0.3141,
0.3282

■ 44.9467, 0.3258,
0.3223

Harmonies

Analogous

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



32.4716, 0.3140, 0.4508



32.4716, 0.2497, 0.3972



32.4716, 0.2055, 0.3222

Triad

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



32.4716, 0.2497, 0.3972



32.4716, 0.2372, 0.2208



32.4716, 0.4542, 0.3721

Complementary

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



32.4716, 0.2497, 0.3972



10.8107, 0.5134, 0.2868

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.



32.4716, 0.4313, 0.3191



32.4716, 0.2497, 0.3972



32.4716, 0.2982, 0.2367

Square

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



32.4716, 0.2497, 0.3972



32.4716, 0.1999, 0.2277



32.4716, 0.3711, 0.2715



32.4716, 0.4339, 0.4225

Rectangle

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



32.4716, 0.2497, 0.3972



32.4716, 0.1913, 0.2786



32.4716, 0.3711, 0.2715



32.4716, 0.4516, 0.3543

Sweetspot

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



32.4729, 0.2497, 0.3972



68.5025, 0.2857, 0.3465



31.9341, 0.3217, 0.5573



15.0107, 0.2822, 0.3493



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



32.4729, 0.2497, 0.3972



57.8408, 0.2493, 0.4151



23.4868, 0.2154, 0.2746



9.0346, 0.3021, 0.3352



23.0793, 0.2493, 0.4173



0.6505, 0.2409, 0.3872

Inverse Universe

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



10.8107, 0.5134, 0.2868



17.0062, 0.5753, 0.2976



13.1020, 0.5477, 0.3629



8.0495, 0.3246, 0.3229



6.6840, 0.5827, 0.2984



0.1951, 0.4973, 0.2513

Previews

White Background



This preview shows how the Yxy color 32.4716, 0.2497, 0.3972 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 32.4716, 0.2497, 0.3972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

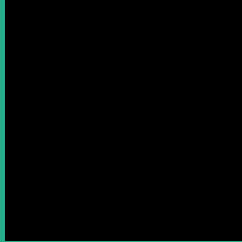
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4716, 0.2497, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 32.4716, 0.2497, 0.3972.



This preview shows how white text looks on a background with the Yxy color 32.4716, 0.2497, 0.3972.

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

32.4716, 0.2497, 0.3972

Protanopia

31.9702, 0.3481, 0.3702

Deuteranopia

31.9336, 0.3430, 0.3364



Tritanopia

32.4394, 0.2307, 0.3056

Trichromacy



Original Color

32.4716, 0.2497, 0.3972



Protanomaly

30.8834, 0.2984, 0.3822



Deuteranomaly

30.2480, 0.2945, 0.3559



Tritanomaly

32.2869, 0.2369, 0.3357

Monochromacy



Original Color

32.4716, 0.2497, 0.3972



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.4035, 0.2768, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4716, 0.2497, 0.3972 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(37, 174, 137)` looks like.

```
.text, #text, p{  
    color:rgb(37, 174, 137)  
}
```

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(37, 174, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 174, 137) }
```

Border

The CSS property to change the border of an element to Yxy 32.4716, 0.2497, 0.3972 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(37, 174, 137) }
```

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

```
.border{ border-color:rgb(37, 174, 137) }
```

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

Here you see how a box with a 4 pixel rgb(37, 174, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 174, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 174, 137);  
box-shadow:4px 4px 4px 4px rgb(37, 174,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4716, 0.2497, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 174, 137) }
```

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

```
.background{ background-color: rgb(37, 174,  
137) }
```

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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