

Converting Colors

$Y_{xy}(32.1618, 0.2605, 0.4570)$

Have a look what the booklet for
Yxy(32.1618, 0.2605, 0.4570)
contains.

Yxy(32.1894, 0.2603, 0.4563)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.1894, 0.2603, 0.4563)

Conversions

Conversions Part 1

Format	Color
Hex	02B06E
RGB	2, 176, 110
RGB Percent	1%, 69%, 43%
CMY	0.9927, 0.3098, 0.5687
CMYK	0.99, 0.00, 0.38, 0.31
HSL	157°, 98%, 35%
HSV	157°, 99%, 69%
XYZ	18.3627, 32.1894, 19.9923
YIQ	116.4500, -82.5180, -57.4140

Conversions

Conversions Part 2

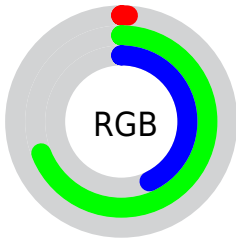
Format	Color
RYB	2, 109, 176
Decimal	176238
CIELab	63.50, -53.62, 23.39
CIELCh	63, 58.502, 156.430
Yxy	32.1894, 0.2603, 0.4563
Android (android.graphics.Color)	4278366318 (0xFF02B06E)
YUV	116.4500, -3.1799, -100.3727
Hunter-Lab	56.7357, -41.5154, 18.8226

Details

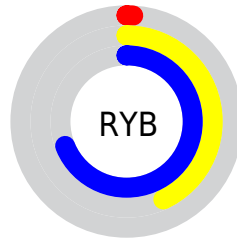
The Yxy color **32.1894, 0.2603, 0.4563** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9.6872, 0.5423, 0.2770**, and the grayscale version is **17.6265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.2661, 0.2725, 0.4280**, and **14.2669, 0.2700, 0.4921** is the 20% darker color. If you saturate the color by 10%, you get **32.1634, 0.2605, 0.4578**, and if you desaturate by 10%, it is **32.4727, 0.2586, 0.4421**.

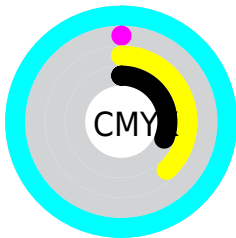
Distribution



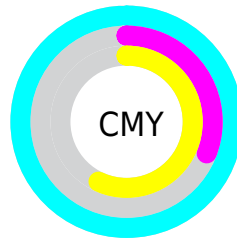
- Red (1%)
- Green (69%)
- Blue (43%)



- Red (1%)
- Yellow (43%)
- Blue (69%)



- Cyan (99%)
- Magenta (0%)
- Yellow (38%)
- Black (31%)





- Cyan (99%)
- Magenta (31%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1894, 0.2603, 0.4563 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 32.1894, 0.2603, 0.4563 by changing the saturation by 10% instead.

 32.1894, 0.2603,
0.4563


 32.1894, 0.2603,
0.4563


311.9811, 0.2904,
0.3840


 21.5062, 0.2512,
0.4777


 63.1079, 0.2723,
0.4277


 13.4945, 0.2386,
0.5073


 84.1120, 0.2765,
0.4177


 7.7700, 0.2197,
0.5509


 109.3251, 0.2799,
0.4095

 3.9481, 0.1894,
0.6197

 139.1318, 0.2827,
0.4027

 1.6446, 0.0635,
0.9365

 173.9163, 0.2851,
0.3969

 0.3874, 0.0000,
1.0000

 214.0631, 0.2871,

 0.0000, 0.0000,

0.3920

0.0000

259.9566, 0.2889,
0.3878

■ 32.1894, 0.2603,
0.4563

■ 32.1894, 0.2603,
0.4563

■ 32.1634, 0.2605,
0.4578

■ 32.4727, 0.2586,
0.4421

■ 32.8860, 0.2585,
0.4275

■ 33.4677, 0.2605,
0.4129

■ 34.2379, 0.2644,
0.3986

■ 35.2138, 0.2700,
0.3847

■ 36.4106, 0.2770,
0.3714

■ 37.8420, 0.2852,
0.3591

■ 39.5206, 0.2942,
0.3477

■ 41.4581, 0.3038,
0.3374

Harmonies

Analogous

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



32.1894, 0.3452, 0.5005



32.1894, 0.2603, 0.4563



32.1894, 0.1946, 0.3576

Triad

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



32.1894, 0.2603, 0.4563



32.1894, 0.1953, 0.1941



32.1894, 0.4904, 0.3507

Complementary

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



32.1894, 0.2603, 0.4563



9.6872, 0.5423, 0.2770

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.



32.1894, 0.4395, 0.2889



32.1894, 0.2603, 0.4563



32.1894, 0.2586, 0.2037

Square

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



32.1894, 0.2603, 0.4563



32.1894, 0.1636, 0.2127



32.1894, 0.3486, 0.2371



32.1894, 0.4819, 0.4159

Rectangle

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



32.1894, 0.2603, 0.4563



32.1894, 0.1693, 0.2930



32.1894, 0.3486, 0.2371



32.1894, 0.4799, 0.3295

Sweetspot

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



32.1907, 0.2603, 0.4563



68.1873, 0.2838, 0.3610



32.3085, 0.3230, 0.5809



14.5408, 0.2804, 0.3660



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.



32.1907, 0.2603, 0.4563



58.2835, 0.2612, 0.4602



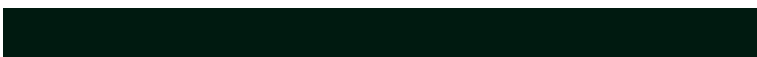
26.8197, 0.2147, 0.2924



9.5758, 0.3035, 0.3378



23.6086, 0.2601, 0.4563



0.7537, 0.2490, 0.4165

Inverse Universe

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



9.6872, 0.5423, 0.2770



17.4286, 0.5497, 0.2802



9.8156, 0.6276, 0.3383



8.5568, 0.3230, 0.3204



7.0778, 0.5427, 0.2763



0.2343, 0.4669, 0.2345

Previews

White Background



This preview shows how the Yxy color 32.1894, 0.2603, 0.4563 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 32.1894, 0.2603, 0.4563 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 32.1894, 0.2603, 0.4563

Background



This preview shows how black text looks on a background with the Yxy color 32.1894, 0.2603, 0.4563.



This preview shows how white text looks on a background with the Yxy color 32.1894, 0.2603, 0.4563.

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

32.1894, 0.2603, 0.4563

Protanopia

31.8096, 0.3778, 0.4085

Deuteranopia

31.4258, 0.3787, 0.3710



Tritanopia

32.0304, 0.2309, 0.3055

Trichromacy



Original Color

32.1894, 0.2603, 0.4563



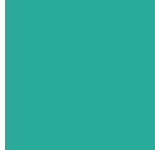
Protanomaly

29.5534, 0.3096, 0.4319



Deuteranomaly

28.9737, 0.3101, 0.4053



Tritanomaly

31.5874, 0.2388, 0.3558

Monochromacy



Original Color

32.1894, 0.2603, 0.4563



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.8477, 0.2720, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1894, 0.2603, 0.4563 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(2, 176, 110)` looks like.

```
.text, #text, p{  
    color:rgb(2, 176, 110)  
}
```

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(2, 176, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 176, 110) }
```

Border

The CSS property to change the border of an element to Yxy 32.1894, 0.2603, 0.4563 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(2, 176, 110) }
```

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

```
.border{ border-color:rgb(2, 176, 110) }
```

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

Here you see how a box with a 4 pixel rgb(2, 176, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 176, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 176, 110);  
box-shadow:4px 4px 4px 4px rgb(2, 176,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1894, 0.2603, 0.4563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 176, 110) }
```

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

```
.background{ background-color: rgb(2, 176,  
110) }
```

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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