

Converting Colors

$Y_{xy}(32.8290, 0.2556, 0.4189)$

Have a look what the booklet for
Yxy(32.8290, 0.2556, 0.4189)
contains.

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Color

Yxy(32.9580, 0.2561, 0.4203)

Conversions

Conversions Part 1

Format	Color
Hex	24B07F
RGB	36, 176, 127
RGB Percent	14%, 69%, 50%
CMY	0.8589, 0.3098, 0.5020
CMYK	0.80, 0.00, 0.28, 0.31
HSL	159°, 66%, 42%
HSV	159°, 80%, 69%
XYZ	20.0822, 32.9580, 25.3752
YIQ	128.5540, -67.7110, -44.9190

Conversions

Conversions Part 2

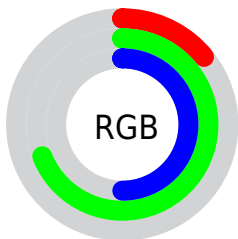
Format	Color
RYB	36, 121, 176
Decimal	2404479
CIELab	64.13, -47.57, 15.07
CIELCh	64, 49.903, 162.421
Yxy	32.9580, 0.2561, 0.4203
Android (android.graphics.Color)	4280594559 (0xFF24B07F)
YUV	128.5540, -0.7661, -81.1699
Hunter-Lab	57.4091, -38.0250, 13.9797

Details

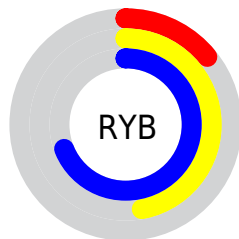
The Yxy color **32.9580, 0.2561, 0.4203** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **11.1478, 0.4920, 0.2718**, and the grayscale version is **21.8083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5764, 0.2681, 0.4007**, and **14.4691, 0.2575, 0.4471** is the 20% darker color. If you saturate the color by 10%, you get **32.5610, 0.2560, 0.4336**, and if you desaturate by 10%, it is **33.5230, 0.2582, 0.4069**.

Distribution



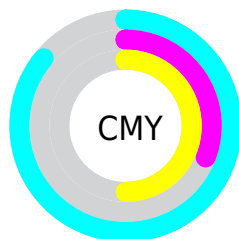
- Red (14%)
- Green (69%)
- Blue (50%)



- Red (14%)
- Yellow (47%)
- Blue (69%)



- Cyan (80%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)




- Cyan (86%)
- Magenta (31%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9580, 0.2561, 0.4203 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 32.9580, 0.2561, 0.4203 by changing the saturation by 10% instead.


 32.9580, 0.2561,
0.4203


 32.9580, 0.2561,
0.4203

315.4604, 0.2872,
0.3695

 22.0943, 0.2473,
0.4350


 64.3100, 0.2681,
0.4004


 13.9262, 0.2355,
0.4552


 85.5670, 0.2724,
0.3934

 8.0693, 0.2184,
0.4846


 111.0572, 0.2759,
0.3876

 4.1394, 0.1923,
0.5310

 141.1650, 0.2789,
0.3828

 1.7518, 0.1193,
0.6426

 176.2749, 0.2814,
0.3787

 0.4569, 0.0000,
1.0000

216.7711, 0.2836,

 0.0000, 0.0000,

0.3752

0.0000

263.0382, 0.2855,
0.3721

■ 32.9580, 0.2561,
0.4203

■ 32.9580, 0.2561,
0.4203

■ 32.5610, 0.2560,
0.4336

■ 33.5230, 0.2582,
0.4069

■ 32.2876, 0.2575,
0.4468

■ 34.2724, 0.2622,
0.3937

■ 32.2762, 0.2576,
0.4474

■ 35.2249, 0.2679,
0.3809

■ 36.3957, 0.2751,
0.3688

■ 37.7985, 0.2836,
0.3574

■ 39.4460, 0.2929,
0.3469

■ 41.3499, 0.3029,
0.3373

■ 43.5210, 0.3132,
0.3286

■ 45.9697, 0.3236,
0.3209

Harmonies

Analogous

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



32.9580, 0.3283, 0.4699



32.9580, 0.2561, 0.4203



32.9580, 0.2031, 0.3373

Triad

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



32.9580, 0.2561, 0.4203



32.9580, 0.2199, 0.2111



32.9580, 0.4669, 0.3624

Complementary

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



32.9580, 0.2561, 0.4203



11.1478, 0.4920, 0.2718

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.



32.9580, 0.4323, 0.3061



32.9580, 0.2561, 0.4203



32.9580, 0.2811, 0.2238

Square

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



32.9580, 0.2561, 0.4203



32.9580, 0.1857, 0.2234



32.9580, 0.3603, 0.2574



32.9580, 0.4526, 0.4189

Rectangle

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



32.9580, 0.2561, 0.4203



32.9580, 0.1841, 0.2861



32.9580, 0.3603, 0.2574



32.9580, 0.4608, 0.3433

Sweetspot

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



32.9593, 0.2561, 0.4203



70.0266, 0.2883, 0.3519



33.2219, 0.3297, 0.5531



14.9561, 0.2851, 0.3556



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.



32.9593, 0.2561, 0.4203



58.6955, 0.2571, 0.4430



27.7375, 0.2206, 0.2958



9.5800, 0.3031, 0.3371



23.6916, 0.2572, 0.4460



0.7560, 0.2470, 0.4093

Inverse Universe

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



11.1478, 0.4920, 0.2718



17.6922, 0.5467, 0.2815



12.0579, 0.5658, 0.3485



8.5528, 0.3234, 0.3211



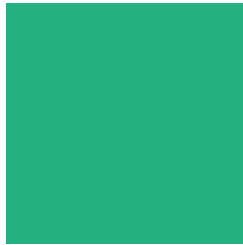
7.0346, 0.5540, 0.2826



0.2327, 0.4757, 0.2394

Previews

White Background



This preview shows how the Yxy color 32.9580, 0.2561, 0.4203 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 32.9580, 0.2561, 0.4203 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

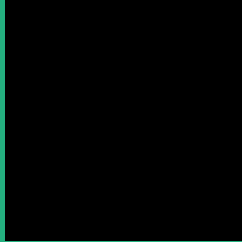
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9580, 0.2561, 0.4203

Background



This preview shows how black text looks on a background with the Yxy color 32.9580, 0.2561, 0.4203.



This preview shows how white text looks on a background with the Yxy color 32.9580, 0.2561, 0.4203.

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

32.9580, 0.2561, 0.4203

Protanopia

32.3949, 0.3598, 0.3849

Deuteranopia

32.2204, 0.3588, 0.3508



Tritanopia

32.9881, 0.2322, 0.3058

Trichromacy



Original Color

32.9580, 0.2561, 0.4203



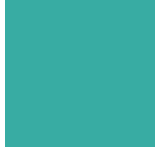
Protanomaly

31.0727, 0.3067, 0.3997



Deuteranomaly

30.5280, 0.3058, 0.3745



Tritanomaly

32.9901, 0.2400, 0.3444

Monochromacy



Original Color

32.9580, 0.2561, 0.4203



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.5492, 0.2795, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9580, 0.2561, 0.4203 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(36, 176, 127)` looks like.

```
.text, #text, p{  
    color:rgb(36, 176, 127)  
}
```

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(36, 176, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 176, 127) }
```

Border

The CSS property to change the border of an element to Yxy 32.9580, 0.2561, 0.4203 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(36, 176, 127) }
```

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

```
.border{ border-color:rgb(36, 176, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 176, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 176, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 176, 127);  
box-shadow:4px 4px 4px 4px rgb(36, 176,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9580, 0.2561, 0.4203 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 176, 127) }
```

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

```
.background{ background-color: rgb(36, 176,  
127) }
```

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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