

Converting Colors

$Yxy(30.9177, 0.2429, 0.3584)$

Have a look what the booklet for
Yxy(30.9177, 0.2429, 0.3584)
contains.

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Color

Yxy(30.9504, 0.2426, 0.3578)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 32A898 |
| RGB | 50, 168, 152 |
| RGB Percent | 20%, 66%, 60% |
| CMY | 0.8038, 0.3412, 0.4040 |
| CMYK | 0.70, 0.00, 0.10, 0.34 |
| HSL | 172°, 54%, 43% |
| HSV | 172°, 70%, 66% |
| XYZ | 20.9854, 30.9504, 34.5662 |
| YIQ | 130.8940, -65.1920, -29.9920 |

Conversions

Conversions Part 2

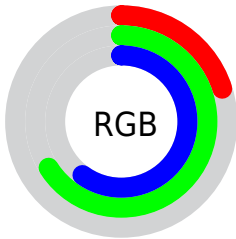
| Format | Color |
|-------------------------------------|---|
| RYB | 50, 113, 168 |
| Decimal | 3319960 |
| CIELab | 62.47, -36.01, -1.15 |
| CIElCh | 62, 36.032, 181.828 |
| Yxy | 30.9504, 0.2426, 0.3578 |
| Android (android.graphics.Color) | 4281510040 (0xFF32A898) |
| YUV | 130.8940, 10.4053, -70.9440 |
| Hunter-Lab | 55.6331, -30.0259, 2.1048 |

Details

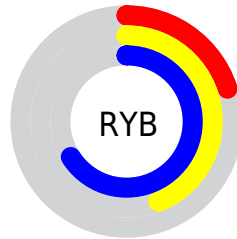
The Yxy color **30.9504, 0.2426, 0.3578** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.0031, 0.5133, 0.3091**, and the grayscale version is **22.6401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.2783, 0.2567, 0.3527**, and **13.2011, 0.2349, 0.3657** is the 20% darker color. If you saturate the color by 10%, you get **30.5258, 0.2389, 0.3625**, and if you desaturate by 10%, it is **31.5355, 0.2482, 0.3531**.

Distribution



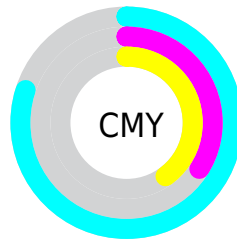
- Red (20%)
- Green (66%)
- Blue (60%)



- Red (20%)
- Yellow (44%)
- Blue (66%)



- Cyan (70%)
- Magenta (0%)
- Yellow (10%)
- Black (34%)



- Cyan (80%)
- Magenta (34%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9504, 0.2426, 0.3578 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 30.9504, 0.2426, 0.3578 by changing the saturation by 10% instead.


 30.9504, 0.2426,
0.3578


 30.9504, 0.2426,
0.3578


306.3097, 0.2796,
0.3427


 20.5611, 0.2327,
0.3618


 61.1620, 0.2565,
0.3522

 12.8035, 0.2196,
0.3670

 81.7530, 0.2616,
0.3501


 7.2934, 0.2016,
0.3741


 106.5134, 0.2659,
0.3484

 3.6463, 0.1752,
0.3843

 135.8276, 0.2695,
0.3469

 1.4777, 0.1190,
0.4065

 170.0799, 0.2726,
0.3456

 0.2730, 0.0000,
0.4196

209.6548, 0.2752,

 0.0000, 0.0000,

0.3445

0.0000

254.9366, 0.2776,
0.3436

■ 30.9504, 0.2426,
0.3578

■ 30.9504, 0.2426,
0.3578

■ 30.5258, 0.2389,
0.3625

■ 31.5355, 0.2482,
0.3531

■ 30.2400, 0.2371,
0.3672

■ 32.2930, 0.2555,
0.3486

■ 30.0564, 0.2366,
0.3718

■ 33.2375, 0.2645,
0.3441

■ 34.3814, 0.2750,
0.3400

■ 35.7357, 0.2867,
0.3360

■ 37.3108, 0.2992,
0.3324

■ 39.1164, 0.3124,
0.3291

■ 41.1615, 0.3260,
0.3261

■ 43.4547, 0.3397,
0.3234

Harmonies

Analogous

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



30.9504, 0.2904, 0.4107



30.9504, 0.2426, 0.3578



30.9504, 0.2147, 0.3003

Triad

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



30.9504, 0.2426, 0.3578



30.9504, 0.2713, 0.2423



30.9504, 0.4253, 0.3862

Complementary

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



30.9504, 0.2426, 0.3578



11.0031, 0.5133, 0.3091

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.



30.9504, 0.4215, 0.3420



30.9504, 0.2426, 0.3578



30.9504, 0.3276, 0.2633

Square

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



30.9504, 0.2426, 0.3578



30.9504, 0.2302, 0.2398



30.9504, 0.3845, 0.2986



30.9504, 0.3968, 0.4218

Rectangle

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



30.9504, 0.2426, 0.3578



30.9504, 0.2094, 0.2702



30.9504, 0.3845, 0.2986



30.9504, 0.4280, 0.3719

Sweetspot

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



30.9516, 0.2426, 0.3578



64.5386, 0.2853, 0.3365



29.4560, 0.3125, 0.5433



13.9201, 0.2821, 0.3375



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



30.9516, 0.2426, 0.3578



55.0865, 0.2377, 0.3650



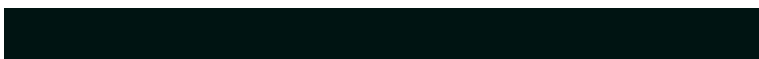
18.6110, 0.2144, 0.2503



8.5143, 0.3004, 0.3321



22.7021, 0.2365, 0.3713



0.5570, 0.2322, 0.3558

Inverse Universe

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



11.0031, 0.5133, 0.3091



16.6412, 0.5770, 0.3125



16.0931, 0.4922, 0.3865



7.5583, 0.3265, 0.3260



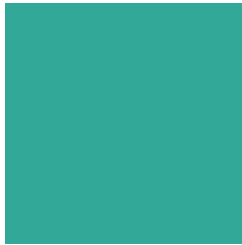
6.3374, 0.6192, 0.3185



0.1590, 0.5523, 0.2816

Previews

White Background



This preview shows how the Yxy color 30.9504, 0.2426, 0.3578 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 30.9504, 0.2426, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

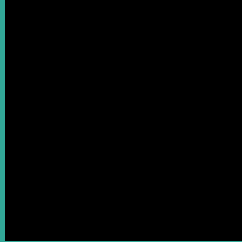
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9504, 0.2426, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 30.9504, 0.2426, 0.3578.

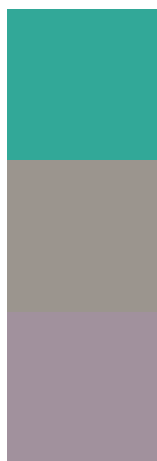


This preview shows how white text looks on a background with the Yxy color 30.9504, 0.2426, 0.3578.

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

30.9504, 0.2426, 0.3578

Protanopia

30.4164, 0.3257, 0.3399

Deuteranopia

30.2622, 0.3177, 0.3111



Tritanopia

30.8220, 0.2313, 0.3051

Trichromacy



Original Color

30.9504, 0.2426, 0.3578

Protanomaly

29.6342, 0.2849, 0.3459

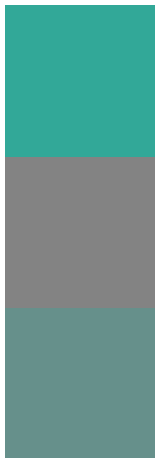
Deuteranomaly

29.2140, 0.2808, 0.3256

Tritanomaly

30.6744, 0.2346, 0.3218

Monochromacy



Original Color

30.9504, 0.2426, 0.3578

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

24.6354, 0.2760, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9504, 0.2426, 0.3578 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(50, 168, 152)` looks like.

```
.text, #text, p{  
    color:rgb(50, 168, 152)  
}
```

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(50, 168, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 168, 152) }
```

Border

The CSS property to change the border of an element to Yxy 30.9504, 0.2426, 0.3578 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(50, 168, 152) }
```

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

```
.border{ border-color:rgb(50, 168, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 168, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 168, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 168, 152);  
box-shadow:4px 4px 4px 4px rgb(50, 168,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9504, 0.2426, 0.3578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 168, 152) }
```

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

```
.background{ background-color: rgb(50, 168,  
152) }
```

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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