

Converting Colors

$Y_{xy}(33.2947, 0.2576, 0.3453)$

Have a look what the booklet for
Yxy(33.2947, 0.2576, 0.3453)
contains.

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Color

Yxy(33.4612, 0.2576, 0.3457)

Conversions

Conversions Part 1

Format	Color
Hex	5AAAA0
RGB	90, 170, 160
RGB Percent	35%, 67%, 63%
CMY	0.6471, 0.3333, 0.3726
CMYK	0.47, 0.00, 0.06, 0.33
HSL	172°, 32%, 51%
HSV	172°, 47%, 67%
XYZ	24.9338, 33.4612, 38.3976
YIQ	144.9400, -44.4700, -20.0700

Conversions

Conversions Part 2

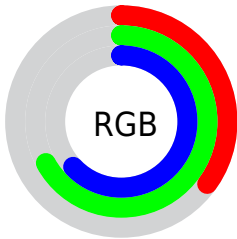
Format	Color
RYB	90, 133, 170
Decimal	5941920
CIELab	64.53, -27.05, -2.45
CIElCh	65, 27.158, 185.179
Yxy	33.4612, 0.2576, 0.3457
Android (android.graphics.Color)	4284132000 (0xFF5AAAA0)
YUV	144.9400, 7.4246, -48.1824
Hunter-Lab	57.8457, -24.2893, 1.1356

Details

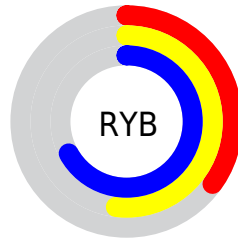
The Yxy color **33.4612, 0.2576, 0.3457** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.7753, 0.4219, 0.3141**, and the grayscale version is **28.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3188, 0.2682, 0.3426**, and **14.1338, 0.2397, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **32.6317, 0.2496, 0.3499**, and if you desaturate by 10%, it is **34.4895, 0.2672, 0.3417**.

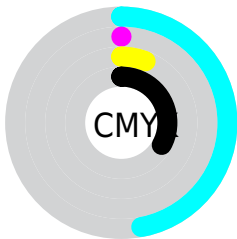
Distribution



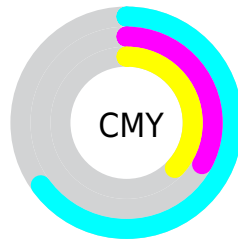
- Red (35%)
- Green (67%)
- Blue (63%)



- Red (35%)
- Yellow (52%)
- Blue (67%)



- Cyan (47%)
- Magenta (0%)
- Yellow (6%)
- Black (33%)




- Cyan (65%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4612, 0.2576, 0.3457 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 33.4612, 0.2576, 0.3457 by changing the saturation by 10% instead.


 33.4612, 0.2576,
0.3457


 33.4612, 0.2576,
0.3457


317.7228, 0.2864,
0.3372


 22.4800, 0.2500,
0.3479


 65.0949, 0.2684,
0.3426


 14.2100, 0.2400,
0.3507


 86.5162, 0.2723,
0.3414

 8.2669, 0.2263,
0.3544

 112.1863, 0.2756,
0.3404

 4.2662, 0.2063,
0.3595

 142.4896, 0.2784,
0.3396

 1.8236, 0.1749,
0.3670

177.8105, 0.2808,
0.3389

 0.5018, 0.0000,
0.4115

218.5334, 0.2829,

 0.0000, 0.0000,

0.3382

0.0000

265.0427, 0.2848,
0.3377

■ 33.4612, 0.2576,
0.3457

■ 33.4612, 0.2576,
0.3457

■ 32.6317, 0.2496,
0.3499

■ 34.4895, 0.2672,
0.3417

■ 31.9837, 0.2434,
0.3541

■ 35.7250, 0.2782,
0.3379

■ 31.5031, 0.2391,
0.3584


■ 37.1801, 0.2903,
0.3344

■ 31.1725, 0.2366,
0.3628

■ 38.8652, 0.3032,
0.3311


■ 30.9655, 0.2358,
0.3670

■ 40.7902, 0.3167,
0.3282

 30.9136, 0.2356,
0.3683

 42.9641, 0.3305,
0.3255

 45.3956, 0.3444,
0.3231

 48.0931, 0.3582,
0.3210

 51.0644, 0.3718,
0.3192

Harmonies

Analogous

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



33.4612, 0.2926, 0.3840



33.4612, 0.2576, 0.3457



33.4612, 0.2377, 0.3049

Triad

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



33.4612, 0.2576, 0.3457



33.4612, 0.2867, 0.2643



33.4612, 0.3947, 0.3769

Complementary

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



33.4612, 0.2576, 0.3457



16.7753, 0.4219, 0.3141

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.



33.4612, 0.3940, 0.3442



33.4612, 0.2576, 0.3457



33.4612, 0.3292, 0.2819

Square

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



33.4612, 0.2576, 0.3457



33.4612, 0.2536, 0.2612



33.4612, 0.3694, 0.3103



33.4612, 0.3724, 0.4002

Rectangle

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



33.4612, 0.2576, 0.3457



33.4612, 0.2347, 0.2832



33.4612, 0.3694, 0.3103



33.4612, 0.3973, 0.3666

Sweetspot

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



33.4625, 0.2576, 0.3457



68.2722, 0.2938, 0.3334



32.2365, 0.3144, 0.4703



15.0880, 0.2912, 0.3342



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.



33.4625, 0.2576, 0.3457



59.2090, 0.2497, 0.3498



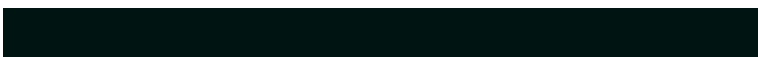
24.0256, 0.2420, 0.2776



8.5157, 0.3003, 0.3318



22.7438, 0.2355, 0.3678



0.5577, 0.2316, 0.3536

Inverse Universe

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



16.7753, 0.4219, 0.3141



25.3651, 0.4597, 0.3118



22.5550, 0.4155, 0.3740



7.5570, 0.3267, 0.3262



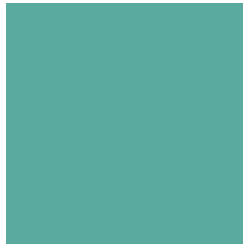
6.3319, 0.6214, 0.3197



0.1585, 0.5580, 0.2848

Previews

White Background



This preview shows how the Yxy color 33.4612, 0.2576, 0.3457 looks on a white background.

Color Contrast Check

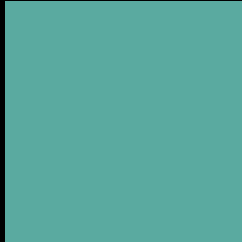
Large Text (above 18pt) WCAG AA × Fail

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 33.4612, 0.2576, 0.3457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

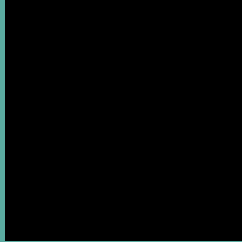
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4612, 0.2576, 0.3457

Background



This preview shows how black text looks on a background with the Yxy color 33.4612, 0.2576, 0.3457.

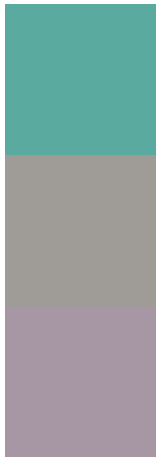


This preview shows how white text looks on a background with the Yxy color 33.4612, 0.2576, 0.3457.

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

33.4612, 0.2576, 0.3457

Protanopia

33.0480, 0.3204, 0.3350

Deuteranopia

33.0290, 0.3166, 0.3103



Tritanopia

33.4195, 0.2477, 0.3080

Trichromacy



Original Color

33.4612, 0.2576, 0.3457

Protanomaly

32.5430, 0.2937, 0.3385

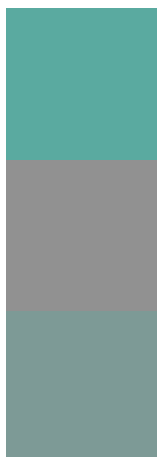
Deuteranomaly

32.5870, 0.2906, 0.3212

Tritanomaly

33.4021, 0.2511, 0.3207

Monochromacy



Original Color

33.4612, 0.2576, 0.3457

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.6732, 0.2886, 0.3356

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4612, 0.2576, 0.3457 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(90, 170, 160)` looks like.

```
.text, #text, p{  
    color:rgb(90, 170, 160)  
}
```

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(90, 170, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 170, 160) }
```

Border

The CSS property to change the border of an element to Yxy 33.4612, 0.2576, 0.3457 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(90, 170, 160) }
```

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

```
.border{ border-color:rgb(90, 170, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 170, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 170, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 170, 160);  
box-shadow:4px 4px 4px 4px rgb(90, 170,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4612, 0.2576, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 170, 160) }
```

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

```
.background{ background-color: rgb(90, 170,  
160) }
```

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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