

Converting Colors

$Yxy(34.6510, 0.2524, 0.3578)$

Have a look what the booklet for
Yxy(34.6510, 0.2524, 0.3578)
contains.

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Color

Yxy(34.6244, 0.2522, 0.3578)

Conversions

Conversions Part 1

Format	Color
Hex	4BAF9E
RGB	75, 175, 158
RGB Percent	29%, 69%, 62%
CMY	0.7057, 0.3137, 0.3804
CMYK	0.57, 0.00, 0.10, 0.31
HSL	170°, 40%, 49%
HSV	170°, 57%, 69%
XYZ	24.4055, 34.6244, 37.7404
YIQ	143.1620, -54.1430, -26.4870

Conversions

Conversions Part 2

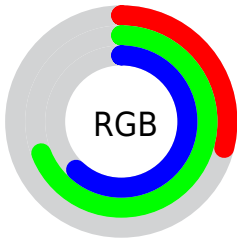
Format	Color
RYB	75, 130, 175
Decimal	4960158
CIELab	65.46, -33.30, -0.05
CIElCh	65, 33.301, 180.086
Yxy	34.6244, 0.2522, 0.3578
Android (android.graphics.Color)	4283150238 (0xFF4BAF9E)
YUV	143.1620, 7.3151, -59.7781
Hunter-Lab	58.8425, -28.9399, 3.1623

Details

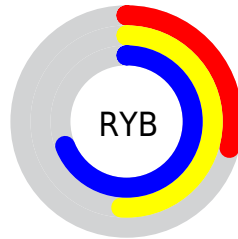
The Yxy color **34.6244, 0.2522, 0.3578** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.9271, 0.4525, 0.3052**, and the grayscale version is **27.5285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9425, 0.2639, 0.3515**, and **14.9806, 0.2351, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **33.9126, 0.2463, 0.3637**, and if you desaturate by 10%, it is **35.5355, 0.2598, 0.3520**.

Distribution



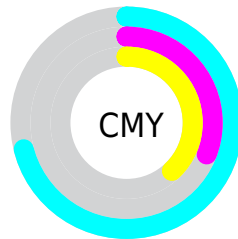
- Red (29%)
- Green (69%)
- Blue (62%)



- Red (29%)
- Yellow (51%)
- Blue (69%)



- Cyan (57%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)




- Cyan (71%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6244, 0.2522, 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 34.6244, 0.2522, 0.3578 by changing the saturation by 10% instead.

 34.6244, 0.2522,
0.3578


 34.6244, 0.2522,
0.3578


322.9073, 0.2837,
0.3428


 23.3737, 0.2439,
0.3617


 66.9035, 0.2640,
0.3522

 14.8697, 0.2330,
0.3669


 88.7007, 0.2683,
0.3502

 8.7280, 0.2182,
0.3740


 114.7821, 0.2719,
0.3484

 4.5642, 0.1967,
0.3842

 145.5322, 0.2750,
0.3470

 1.9939, 0.1632,
0.4000

 181.3354, 0.2776,
0.3457

 0.6039, 0.0000,
0.4774

222.5761, 0.2799,

 0.0000, 0.0000,

0.3446

0.0000

269.6386, 0.2820,
0.3437

■ 34.6244, 0.2522,
0.3578

■ 34.6244, 0.2522,
0.3578

■ 33.9126, 0.2463,
0.3637

■ 35.5355, 0.2598,
0.3520

■ 33.3798, 0.2424,
0.3698

■ 36.6563, 0.2690,
0.3465

■ 33.0081, 0.2403,
0.3758

■ 38.0013, 0.2796,
0.3413

■ 32.7698, 0.2399,
0.3818

■ 39.5826, 0.2912,
0.3364

■ 32.7105, 0.2399,
0.3836

■ 41.4114, 0.3036,
0.3319

■ 43.4981, 0.3165,
0.3279

■ 45.8526, 0.3296,
0.3242

■ 48.4842, 0.3429,
0.3210

■ 51.4019, 0.3560,
0.3181

Harmonies

Analogous

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



34.6244, 0.2961, 0.4030



34.6244, 0.2522, 0.3578



34.6244, 0.2255, 0.3067

Triad

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



34.6244, 0.2522, 0.3578



34.6244, 0.2732, 0.2501



34.6244, 0.4139, 0.3791

Complementary

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



34.6244, 0.2522, 0.3578



14.9271, 0.4525, 0.3052

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.



34.6244, 0.4083, 0.3391



34.6244, 0.2522, 0.3578



34.6244, 0.3232, 0.2683

Square

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



34.6244, 0.2522, 0.3578



34.6244, 0.2370, 0.2492



34.6244, 0.3740, 0.2998



34.6244, 0.3904, 0.4109

Rectangle

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



34.6244, 0.2522, 0.3578



34.6244, 0.2196, 0.2790



34.6244, 0.3740, 0.2998



34.6244, 0.4155, 0.3662

Sweetspot

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



34.6258, 0.2522, 0.3578



70.8368, 0.2910, 0.3365



33.5150, 0.3172, 0.5026



15.6138, 0.2886, 0.3374



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.



34.6258, 0.2522, 0.3578



60.4105, 0.2449, 0.3656



24.3432, 0.2305, 0.2734



9.0483, 0.3008, 0.3329



23.4334, 0.2397, 0.3829



0.6580, 0.2346, 0.3647

Inverse Universe

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



14.9271, 0.4525, 0.3052



21.6106, 0.5059, 0.3034



20.0762, 0.4517, 0.3751



8.0368, 0.3261, 0.3252



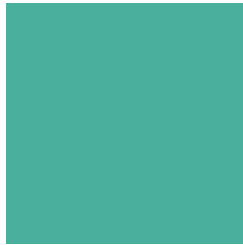
6.5996, 0.6118, 0.3144



0.1901, 0.5392, 0.2744

Previews

White Background



This preview shows how the Yxy color 34.6244, 0.2522, 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 34.6244, 0.2522, 0.3578 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

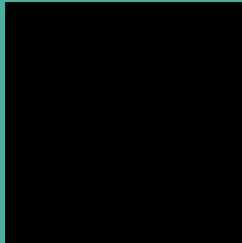
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6244, 0.2522, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 34.6244, 0.2522, 0.3578.

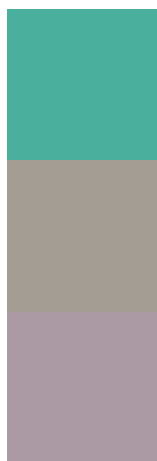


This preview shows how white text looks on a background with the Yxy color 34.6244, 0.2522, 0.3578.

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

34.6244, 0.2522, 0.3578

Protanopia

34.0386, 0.3270, 0.3424

Deuteranopia

34.0847, 0.3214, 0.3148



Tritanopia

34.5599, 0.2400, 0.3065

Trichromacy



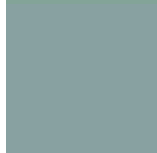
Original Color

34.6244, 0.2522, 0.3578



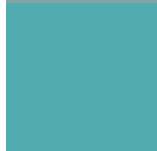
Protanomaly

33.6432, 0.2928, 0.3481



Deuteranomaly

33.2972, 0.2898, 0.3289



Tritanomaly

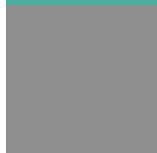
34.3495, 0.2441, 0.3239

Monochromacy



Original Color

34.6244, 0.2522, 0.3578



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

29.4324, 0.2841, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6244, 0.2522, 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(75, 175, 158)` looks like.

```
.text, #text, p{  
    color:rgb(75, 175, 158)  
}
```

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(75, 175, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 175, 158) }
```

Border

The CSS property to change the border of an element to Yxy 34.6244, 0.2522, 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(75, 175, 158) }
```

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

```
.border{ border-color:rgb(75, 175, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 175, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 175, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 175, 158);  
box-shadow:4px 4px 4px 4px rgb(75, 175,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6244, 0.2522, 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(75, 175, 158) }
```

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

```
.background{ background-color: rgb(75, 175,  
158) }
```

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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