

# Converting Colors

$Yxy(26.0775, 0.2334, 0.3422)$

Have a look what the booklet for  
Yxy(26.0775, 0.2334, 0.3422)  
contains.

<b>Yxy(26.2539, 0.2334, 0.3422)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**$\text{Yxy}(26.2539, 0.2334, 0.3422)$**

# Conversions

## Conversions Part 1

Format	Color
Hex	209C95
RGB	32, 156, 149
RGB Percent	13%, 61%, 58%
CMY	0.8749, 0.3882, 0.4157
CMYK	0.80, 0.00, 0.04, 0.39
HSL	177°, 66%, 37%
HSV	177°, 80%, 61%
XYZ	17.9067, 26.2539, 32.5604
YIQ	118.1260, -71.6570, -28.4650

# Conversions

## Conversions Part 2

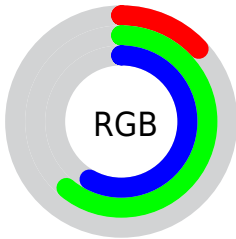
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 96, 156
Decimal	2137237
CIE <sub>Lab</sub>	58.28, -33.53, -5.68
CIE <sub>LCh</sub>	58, 34.004, 189.615
Yxy	26.2539, 0.2334, 0.3422
Android (android.graphics.Color)	4280327317 (0xFF209C95)
YUV	118.1260, 15.2209, -75.5325
Hunter-Lab	51.2386, -27.2860, -1.8098

# Details

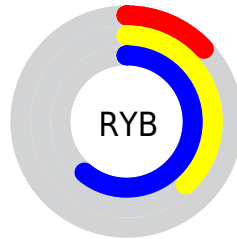
The Yxy color **26.2539, 0.2334, 0.3422** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.2416, 0.5707, 0.3224**, and the grayscale version is **18.1173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.6670, 0.2498, 0.3399**, and **10.7825, 0.2293, 0.3456** is the 20% darker color. If you saturate the color by 10%, you get **26.0343, 0.2308, 0.3440**, and if you desaturate by 10%, it is **26.5939, 0.2378, 0.3404**.

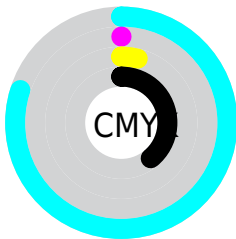
# Distribution



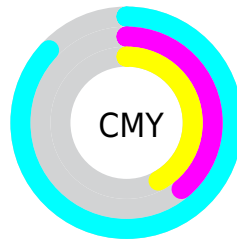
- Red (13%)
- Green (61%)
- Blue (58%)



- Red (13%)
- Yellow (38%)
- Blue (61%)



- Cyan (80%)
- Magenta (0%)
- Yellow (4%)
- Black (39%)




- Cyan (87%)
- Magenta (39%)
- Yellow (42%)


# Brightness & Saturation Gradients


These gradients show how the Yxy color 26.2539, 0.2334, 0.3422 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 26.2539, 0.2334, 0.3422 by changing the saturation by 10% instead.





 26.2539, 0.2334,  
0.3422


 26.2539, 0.2334,  
0.3422

 284.0262, 0.2760,  
0.3359


 17.0137, 0.2218,  
0.3436


 53.6843, 0.2496,  
0.3400


 10.2442, 0.2063,  
0.3452


 72.6432, 0.2555,  
0.3391


 5.5612, 0.1847,  
0.3469

 95.6105, 0.2603,  
0.3384

 2.5801, 0.1529,  
0.3481

 122.9706, 0.2644,  
0.3378

 0.9167, 0.0216,  
0.3770

 155.1078, 0.2680,  
0.3372

 0.0000, 0.0000,  
0.0000

 192.4065, 0.2710,

0.3367

235.2512, 0.2737,  
0.3363

■ 26.2539, 0.2334,  
0.3422

■ 26.2539, 0.2334,  
0.3422

■ 26.0343, 0.2308,  
0.3440

■ 26.5939, 0.2378,  
0.3404

■ 25.8982, 0.2295,  
0.3459

■ 27.0660, 0.2440,  
0.3385

■ 25.8925, 0.2294,  
0.3459

■ 27.6840, 0.2521,  
0.3367

■ 28.4590, 0.2619,  
0.3350

■ 29.4010, 0.2731,  
0.3333

■ 30.5194, 0.2856,  
0.3317

■ 31.8227, 0.2991,  
0.3303

■ 33.3189, 0.3134,  
0.3289

■ 35.0156, 0.3280,  
0.3277

# Harmonies

## Analogous

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



26.2539, 0.2767, 0.3988



26.2539, 0.2334, 0.3422



26.2539, 0.2116, 0.2876

# Triad

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



26.2539, 0.2334, 0.3422



26.2539, 0.2850, 0.2463



26.2539, 0.4204, 0.3966

# Complementary

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



26.2539, 0.2334, 0.3422



8.2416, 0.5707, 0.3224

# 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.



26.2539, 0.4256, 0.3537



26.2539, 0.2334, 0.3422



26.2539, 0.3430, 0.2715

# Square

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



26.2539, 0.2334, 0.3422



26.2539, 0.2392, 0.2387



26.2539, 0.3965, 0.3094



26.2539, 0.3851, 0.4276



# Rectangle

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



26.2539, 0.2334, 0.3422



26.2539, 0.2105, 0.2613



26.2539, 0.3965, 0.3094



26.2539, 0.4259, 0.3830

# Sweetspot

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



26.2549, 0.2334, 0.3422



54.3866, 0.2793, 0.3325



24.3375, 0.3049, 0.5695



11.8232, 0.2752, 0.3330



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

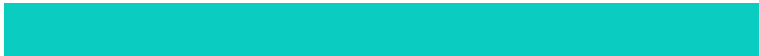


# Same Dimension

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



26.2549, 0.2334, 0.3422



47.1050, 0.2299, 0.3454



12.2527, 0.2000, 0.2156



7.5030, 0.2995, 0.3302



21.3271, 0.2294, 0.3458



0.3831, 0.2273, 0.3384



# Inverse Universe

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



8.2416, 0.5707, 0.3224



13.1134, 0.6259, 0.3263



13.7762, 0.5057, 0.4033



6.6519, 0.3276, 0.3278



5.8395, 0.6320, 0.3255



0.1060, 0.5956, 0.3055



# Previews

## White Background



This preview shows how the Yxy color 26.2539, 0.2334, 0.3422 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 26.2539, 0.2334, 0.3422 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

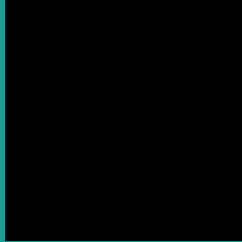
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 26.2539, 0.2334, 0.3422**

## Background



This preview shows how black text looks on a background with the Yxy color 26.2539, 0.2334, 0.3422.

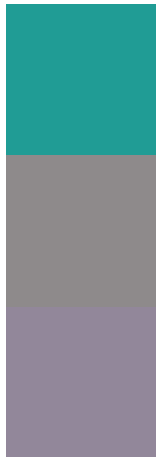


This preview shows how white text looks on a background with the Yxy color 26.2539, 0.2334, 0.3422.

# 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

26.2539, 0.2334, 0.3422

### Protanopia

25.7918, 0.3161, 0.3274

### Deuteranopia

25.7720, 0.3054, 0.2987



## Tritanopia

26.0935, 0.2263, 0.3050

# Trichromacy



## Original Color

26.2539, 0.2334, 0.3422



## Protanomaly

25.0587, 0.2729, 0.3325



## Deuteranomaly

24.9152, 0.2677, 0.3129



## Tritanomaly

26.1004, 0.2285, 0.3176

# Monochromacy



## Original Color

26.2539, 0.2334, 0.3422



## Achromatopsia

18.1164, 0.3127, 0.3290



## Achromatomaly

20.1137, 0.2688, 0.3349

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 26.2539, 0.2334, 0.3422 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(32, 156, 149)` looks like.

```
.text, #text, p{  
    color:rgb(32, 156, 149)  
}
```

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(32, 156, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 156, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 26.2539, 0.2334, 0.3422 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(32, 156, 149) }
```

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

```
.border{ border-color:rgb(32, 156, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 156, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 156, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 156, 149);  
box-shadow:4px 4px 4px 4px rgb(32, 156,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 26.2539, 0.2334, 0.3422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 156, 149) }
```

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

```
.background{ background-color: rgb(32, 156,  
149) }
```

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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