

Converting Colors

$Y_{xy}(13.3222, 0.2539, 0.3034)$

Have a look what the booklet for
Yxy(13.3222, 0.2539, 0.3034)
contains.

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Color

Yxy(13.3222, 0.2539, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	456C77
RGB	69, 108, 119
RGB Percent	27%, 42%, 47%
CMY	0.7293, 0.5765, 0.5333
CMYK	0.42, 0.09, 0.00, 0.53
HSL	193°, 27%, 37%
HSV	193°, 42%, 47%
XYZ	11.1487, 13.3222, 19.4388
YIQ	97.5930, -26.7750, -4.8470

Conversions

Conversions Part 2

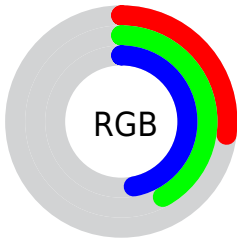
Format	Color
RYB	69, 91, 119
Decimal	4549751
CIELab	43.24, -10.61, -10.47
CIElCh	43, 14.906, 224.618
Yxy	13.3222, 0.2539, 0.3034
Android (android.graphics.Color)	4282739831 (0xFF456C77)
YUV	97.5930, 10.5537, -25.0761
Hunter-Lab	36.4996, -9.3521, -6.0267

Details

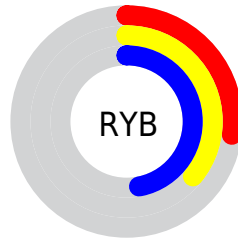
The Yxy color **13.3222, 0.2539, 0.3034** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0970, 0.4037, 0.3527**, and the grayscale version is **12.0883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7296, 0.2684, 0.3098**, and **3.9309, 0.2267, 0.2898** is the 20% darker color. If you saturate the color by 10%, you get **12.3851, 0.2419, 0.2962**, and if you desaturate by 10%, it is **14.3643, 0.2670, 0.3102**.

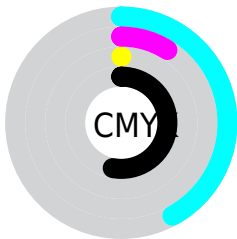
Distribution



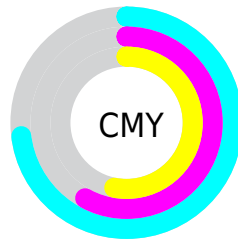
- Red (27%)
- Green (42%)
- Blue (47%)



- Red (27%)
- Yellow (36%)
- Blue (47%)



- Cyan (42%)
- Magenta (9%)
- Yellow (0%)
- Black (53%)



- Cyan (73%)
- Magenta (58%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3222, 0.2539, 0.3034 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 13.3222, 0.2539, 0.3034 by changing the saturation by 10% instead.

■ 13.3222, 0.2539,
0.3034

■ 13.3222, 0.2539,
0.3034

■ 212.9724, 0.2888,
0.3193

■ 7.6508, 0.2427,
0.2978

■ 31.8814, 0.2682,
0.3102

■ 3.8723, 0.2262,
0.2891

■ 45.5380, 0.2731,
0.3124

■ 1.6024, 0.2001,
0.2741

■ 62.6252, 0.2770,
0.3142

■ 0.3592, 0.0524,
0.2283

■ 83.5272, 0.2802,
0.3156

■ 0.0000, 0.0000,
0.0000

■ 108.6286, 0.2828,
0.3168

138.3136, 0.2851,

0.3178

172.9668, 0.2871,
0.3186

■ 13.3222, 0.2539,
0.3034

■ 13.3222, 0.2539,
0.3034

■ 12.3851, 0.2419,
0.2962

■ 14.3643, 0.2670,
0.3102

■ 11.5461, 0.2313,
0.2887

■ 15.5148, 0.2808,
0.3166

■ 10.7997, 0.2222,
0.2810

■ 16.7788, 0.2952,
0.3226

■ 10.1392, 0.2148,
0.2733

■ 18.1606, 0.3098,
0.3280

■ 9.5568, 0.2093,
0.2655

■ 19.6644, 0.3244,
0.3329

■ 9.1225, 0.2054,
0.2593

■ 21.2939, 0.3389,
0.3373

■ 23.0528, 0.3531,
0.3413

■ 24.9447, 0.3668,
0.3448

■ 26.9728, 0.3800,
0.3478

Harmonies

Analogous

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



13.3222, 0.2651, 0.3320



13.3222, 0.2539, 0.3034



13.3222, 0.2574, 0.2838

Triad

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



13.3222, 0.2539, 0.3034



13.3222, 0.3353, 0.2994



13.3222, 0.3498, 0.3848

Complementary

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



13.3222, 0.2539, 0.3034



10.0970, 0.4037, 0.3527

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.



13.3222, 0.3705, 0.3723



13.3222, 0.2539, 0.3034



13.3222, 0.3623, 0.3232

Square

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



13.3222, 0.2539, 0.3034



13.3222, 0.3032, 0.2827



13.3222, 0.3754, 0.3495



13.3222, 0.3197, 0.3814

Rectangle

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



13.3222, 0.2539, 0.3034



13.3222, 0.2677, 0.2777



13.3222, 0.3754, 0.3495



13.3222, 0.3582, 0.3822

Sweetspot

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



13.3227, 0.2539, 0.3034



29.7266, 0.2932, 0.3218



15.0392, 0.2961, 0.4242



6.9427, 0.2905, 0.3207



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



13.3227, 0.2539, 0.3034



22.2902, 0.2427, 0.2967



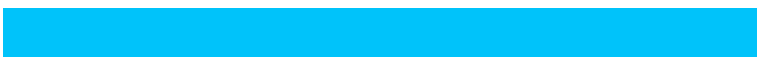
8.8150, 0.2444, 0.2422



4.0249, 0.2995, 0.3242



9.6764, 0.2053, 0.2591



45.8490, 0.2042, 0.2549

Inverse Universe

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



9.2658, 0.3361, 0.2502



14.2869, 0.3429, 0.2339



14.4250, 0.3828, 0.4025



3.7448, 0.3167, 0.3126



5.0008, 0.3833, 0.1885



24.2379, 0.3873, 0.1907

Previews

White Background



This preview shows how the Yxy color 13.3222, 0.2539, 0.3034 looks on a white 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

Black Background



This preview shows how the Yxy color 13.3222, 0.2539, 0.3034 looks on a black 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

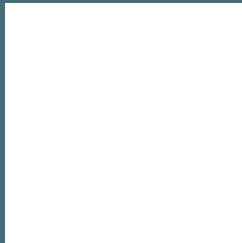
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.3222, 0.2539, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 13.3222, 0.2539, 0.3034.



This preview shows how white text looks on a background with the Yxy color 13.3222, 0.2539, 0.3034.

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

13.3222, 0.2539, 0.3034

Protanopia

13.2316, 0.2944, 0.3009

Deuteranopia

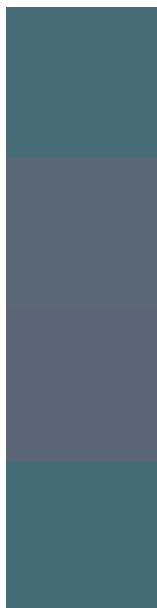
13.1289, 0.2884, 0.2827



Tritanopia

13.2384, 0.2548, 0.3078

Trichromacy



Original Color

13.3222, 0.2539, 0.3034

Protanomaly

13.2854, 0.2781, 0.3023

Deuteranomaly

13.0325, 0.2745, 0.2895

Tritanomaly

13.2621, 0.2539, 0.3056

Monochromacy



Original Color

13.3222, 0.2539, 0.3034

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.5696, 0.2870, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3222, 0.2539, 0.3034 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(69, 108, 119)` looks like.

```
.text, #text, p{  
  color:rgb(69, 108, 119)  
}
```

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(69, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 108, 119) }
```

Border

The CSS property to change the border of an element to Yxy 13.3222, 0.2539, 0.3034 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(69, 108, 119) }
```

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

```
.border{ border-color:rgb(69, 108, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 108, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(69, 108,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3222, 0.2539, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 108, 119) }
```

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

```
.background{ background-color: rgb(69, 108,  
119) }
```

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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