

Converting Colors

$Y_{xy}(9.9507, 0.2240, 0.2476)$

Have a look what the booklet for
Yxy(9.9507, 0.2240, 0.2476)
contains.

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Color

Yxy(10.0389, 0.2245, 0.2492)

Conversions

Conversions Part 1

Format	Color
Hex	335D7E
RGB	51, 93, 126
RGB Percent	20%, 36%, 49%
CMY	0.8002, 0.6353, 0.5059
CMYK	0.60, 0.26, 0.00, 0.51
HSL	206°, 42%, 35%
HSV	206°, 60%, 49%
XYZ	9.0439, 10.0389, 21.2017
YIQ	84.2040, -35.6250, 1.3590

Conversions

Conversions Part 2

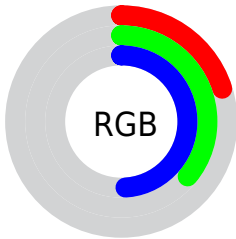
Format	Color
RYB	51, 78, 126
Decimal	3366270
CIELab	37.91, -4.11, -22.97
CIELCh	38, 23.336, 259.847
Yxy	10.0389, 0.2245, 0.2492
Android (android.graphics.Color)	4281556350 (0xFF335D7E)
YUV	84.2040, 20.6054, -29.1199
Hunter-Lab	31.6842, -4.4968, -17.4954




Details

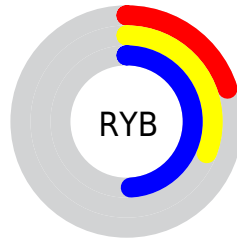
The Yxy color **10.0389, 0.2245, 0.2492** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **11.0076, 0.4421, 0.3935**, and the grayscale version is **8.8702, 0.3127, 0.3290**.




A 20% lighter version of the original color is **25.8427, 0.2468, 0.2695**, and **2.5689, 0.1913, 0.2085** is the 20% darker color. If you saturate the color by 10%, you get **8.8178, 0.2119, 0.2329**, and if you desaturate by 10%, it is **11.4199, 0.2383, 0.2650**.

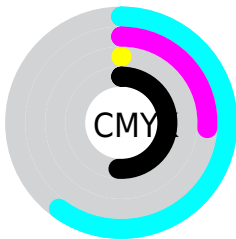
Distribution







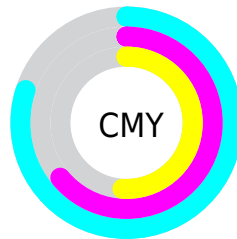
-  Red (20%)
-  Green (36%)
-  Blue (49%)






-  Red (20%)
-  Yellow (31%)
-  Blue (49%)



-  Cyan (60%)
-  Magenta (26%)
-  Yellow (0%)
-  Black (51%)



-  Cyan (80%)
-  Magenta (64%)
-  Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0389, 0.2245, 0.2492 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 10.0389, 0.2245, 0.2492 by changing the saturation by 10% instead.

10.0389, 0.2245,
0.2492

10.0389, 0.2245,
0.2492

190.9495, 0.2780,
0.2983

5.4248, 0.2069,
0.2325

25.8686, 0.2468,
0.2700

2.4986, 0.1812,
0.2077

37.8530, 0.2542,
0.2768

0.8759, 0.1405,
0.1682

53.0630, 0.2602,
0.2823

0.0000, 0.0000,
0.0000

71.8828, 0.2650,
0.2867

94.6970, 0.2691,
0.2904

121.8899, 0.2725,

0.2934

153.8459, 0.2754,
0.2961

■ 10.0389, 0.2245,
0.2492

■ 10.0389, 0.2245,
0.2492

■ 8.8178, 0.2119,
0.2329

■ 11.4199, 0.2383,
0.2650

■ 7.7467, 0.2011,
0.2164

■ 12.9677, 0.2530,
0.2800

■ 6.8158, 0.1921,
0.2000

■ 14.6900, 0.2682,
0.2940

■ 5.9973, 0.1846,
0.1840

■ 16.5936, 0.2835,
0.3070

■ 5.9632, 0.1843,
0.1833

■ 18.6848, 0.2986,
0.3188

■ 20.9697, 0.3133,
0.3294

■ 23.4540, 0.3275,
0.3390

■ 26.1432, 0.3411,
0.3475

■ 29.0424, 0.3539,
0.3550

Harmonies

Analogous

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



10.0389, 0.2147, 0.2762



10.0389, 0.2245, 0.2492



10.0389, 0.2559, 0.2434

Triad

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



10.0389, 0.2245, 0.2492



10.0389, 0.4046, 0.3247



10.0389, 0.3131, 0.4186

Complementary

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



10.0389, 0.2245, 0.2492



11.0076, 0.4421, 0.3935

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.



10.0389, 0.3658, 0.4270



10.0389, 0.2245, 0.2492



10.0389, 0.4215, 0.3674

Square

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



10.0389, 0.2245, 0.2492



10.0389, 0.3602, 0.2856



10.0389, 0.4062, 0.4054



10.0389, 0.2629, 0.3779

Rectangle

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



10.0389, 0.2245, 0.2492



10.0389, 0.2870, 0.2504



10.0389, 0.4062, 0.4054



10.0389, 0.3311, 0.4253

Sweetspot

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



10.0393, 0.2245, 0.2492



29.6091, 0.2852, 0.3084



16.2579, 0.2772, 0.4332



6.5399, 0.2815, 0.3054



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



10.0393, 0.2245, 0.2492



14.9087, 0.2084, 0.2278



5.0331, 0.2048, 0.1576



4.5801, 0.2993, 0.3193



6.1085, 0.1842, 0.1831



0.0000, 0.0000, 0.0000

Inverse Universe

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



7.5900, 0.3850, 0.2484



11.0426, 0.4094, 0.2365



18.3502, 0.3989, 0.4563



4.3815, 0.3198, 0.3170



5.0112, 0.4648, 0.2334



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.0389, 0.2245, 0.2492 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 10.0389, 0.2245, 0.2492 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

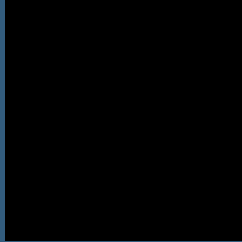
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

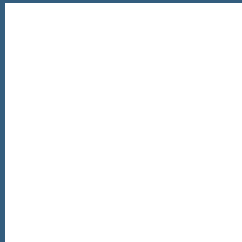
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.0389, 0.2245, 0.2492

Background



This preview shows how black text looks on a background with the Yxy color 10.0389, 0.2245, 0.2492.

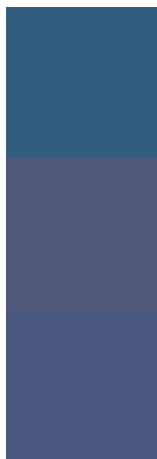


This preview shows how white text looks on a background with the Yxy color 10.0389, 0.2245, 0.2492.

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

10.0389, 0.2245, 0.2492

Protanopia

10.0469, 0.2551, 0.2506

Deuteranopia

9.9676, 0.2440, 0.2397



Tritanopia

10.0615, 0.2376, 0.3073

Trichromacy



Original Color

10.0389, 0.2245, 0.2492

Protanomaly

10.0076, 0.2430, 0.2511

Deuteranomaly

10.0029, 0.2361, 0.2426

Tritanomaly

10.1159, 0.2323, 0.2849

Monochromacy



Original Color

10.0389, 0.2245, 0.2492

Achromatopsia

8.8656, 0.3127, 0.3290

Achromatomaly

9.0950, 0.2728, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0389, 0.2245, 0.2492 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(51, 93, 126)` looks like.

```
.text, #text, p{  
    color:rgb(51, 93, 126)  
}
```

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(51, 93, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 93, 126) }
```

Border

The CSS property to change the border of an element to Yxy 10.0389, 0.2245, 0.2492 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(51, 93, 126) }
```

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

```
.border{ border-color:rgb(51, 93, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 93, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 93, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 93, 126);  
box-shadow:4px 4px 4px 4px rgb(51, 93,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0389, 0.2245, 0.2492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 93, 126) }
```

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

```
.background{ background-color: rgb(51, 93,  
126) }
```

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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