

Converting Colors

$Yxy(10.5587, 0.2199, 0.2668)$

Have a look what the booklet for
Yxy(10.5587, 0.2199, 0.2668)
contains.

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Color

Yxy(10.5587, 0.2199, 0.2668)

Conversions

Conversions Part 1

Format	Color
Hex	25627B
RGB	37, 98, 123
RGB Percent	15%, 38%, 48%
CMY	0.8553, 0.6156, 0.5177
CMYK	0.70, 0.20, 0.00, 0.52
HSL	197°, 54%, 31%
HSV	197°, 70%, 48%
XYZ	8.7026, 10.5587, 20.3140
YIQ	82.6110, -44.3810, -5.1570

Conversions

Conversions Part 2

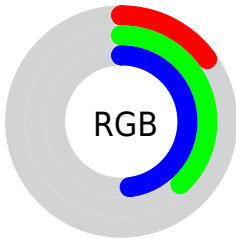
Format	Color
R_{YB}	37, 73, 123
Decimal	2450043
CIE _{Lab}	38.83, -10.97, -19.75
CIE _{LCh}	39, 22.591, 240.964
Yxy	10.5587, 0.2199, 0.2668
Android (android.graphics.Color)	4280640123 (0xFF25627B)
YUV	82.6110, 19.9118, -40.0008
Hunter-Lab	32.4942, -9.0587, -14.3198

Details

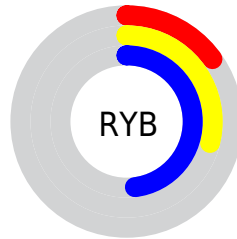
The Yxy color **10.5587, 0.2199, 0.2668** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.7760, 0.4936, 0.3757**, and the grayscale version is **8.5284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.9566, 0.2428, 0.2834**, and **2.9504, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **9.7161, 0.2112, 0.2563**, and if you desaturate by 10%, it is **11.5085, 0.2303, 0.2772**.

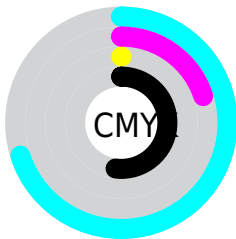
Distribution



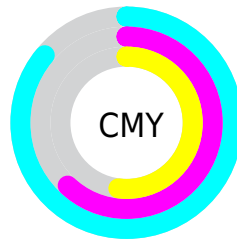
- Red (15%)
- Green (38%)
- Blue (48%)



- Red (15%)
- Yellow (29%)
- Blue (48%)



- Cyan (70%)
- Magenta (20%)
- Yellow (0%)
- Black (52%)



- Cyan (86%)
- Magenta (62%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5587, 0.2199, 0.2668 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 10.5587, 0.2199, 0.2668 by changing the saturation by 10% instead.

10.5587, 0.2199,
0.2668

10.5587, 0.2199,
0.2668

194.6144, 0.2757,
0.3059

5.7709, 0.2018,
0.2530

26.8412, 0.2430,
0.2836

2.7063, 0.1755,
0.2319

39.1047, 0.2507,
0.2890

0.9804, 0.1329,
0.1971

54.6289, 0.2570,
0.2933

0.0000, 0.0000,
0.0000

73.7982, 0.2621,
0.2968

96.9971, 0.2663,
0.2997

124.6098, 0.2699,

0.3021

157.0207, 0.2730,
0.3041

■ 10.5587, 0.2199,
0.2668

■ 10.5587, 0.2199,
0.2668

■ 9.7161, 0.2112,
0.2563

■ 11.5085, 0.2303,
0.2772

■ 8.9710, 0.2044,
0.2457

■ 12.5717, 0.2421,
0.2872

■ 8.2960, 0.1987,
0.2352

■ 13.7551, 0.2551,
0.2968

■ 8.2952, 0.1987,
0.2352

■ 15.0649, 0.2690,
0.3058

■ 16.5064, 0.2834,
0.3142

■ 18.0848, 0.2980,
0.3220

■ 19.8048, 0.3127,
0.3290

■ 21.6712, 0.3272,
0.3354

■ 23.6881, 0.3414,
0.3410

Harmonies

Analogous

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



10.5587, 0.2244, 0.3051



10.5587, 0.2199, 0.2668



10.5587, 0.2372, 0.2484

Triad

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



10.5587, 0.2199, 0.2668



10.5587, 0.3758, 0.3007



10.5587, 0.3456, 0.4230

Complementary

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



10.5587, 0.2199, 0.2668



7.7760, 0.4936, 0.3757

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.



10.5587, 0.3899, 0.4122



10.5587, 0.2199, 0.2668



10.5587, 0.4097, 0.3403

Square

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



10.5587, 0.2199, 0.2668



10.5587, 0.3248, 0.2686



10.5587, 0.4144, 0.3805



10.5587, 0.2945, 0.4026

Rectangle

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



10.5587, 0.2199, 0.2668



10.5587, 0.2600, 0.2473



10.5587, 0.4144, 0.3805



10.5587, 0.3618, 0.4225

Sweetspot

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



10.5591, 0.2199, 0.2668



29.1548, 0.2811, 0.3130



14.8947, 0.2853, 0.4890



6.7266, 0.2779, 0.3111



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.



10.5591, 0.2199, 0.2668



16.5719, 0.2068, 0.2499



4.6074, 0.1931, 0.1554



4.3253, 0.2994, 0.3227



8.5735, 0.1986, 0.2350



39.3775, 0.1971, 0.2296

Inverse Universe

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



6.4097, 0.3720, 0.2161



9.6591, 0.3908, 0.2043



14.3118, 0.4268, 0.4530



4.0586, 0.3177, 0.3139



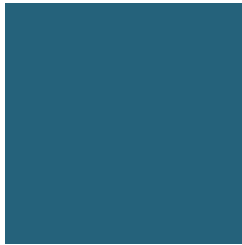
5.0724, 0.4074, 0.2018



24.0424, 0.4130, 0.2049

Previews

White Background



This preview shows how the Yxy color 10.5587, 0.2199, 0.2668 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 10.5587, 0.2199, 0.2668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

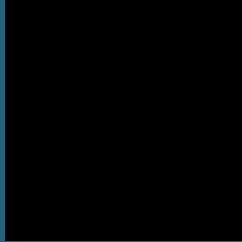
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

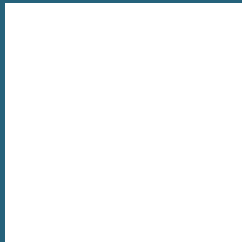
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.5587, 0.2199, 0.2668

Background



This preview shows how black text looks on a background with the Yxy color 10.5587, 0.2199, 0.2668.

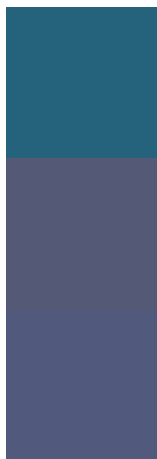


This preview shows how white text looks on a background with the Yxy color 10.5587, 0.2199, 0.2668.

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

10.5587, 0.2199, 0.2668

Protanopia

10.4815, 0.2677, 0.2667

Deuteranopia

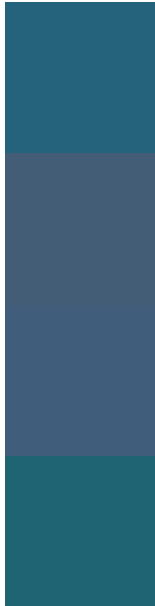
10.5423, 0.2550, 0.2500



Tritanopia

10.6445, 0.2272, 0.3075

Trichromacy



Original Color

10.5587, 0.2199, 0.2668

Protanomaly

10.3539, 0.2460, 0.2664

Deuteranomaly

10.4078, 0.2391, 0.2557

Tritanomaly

10.6206, 0.2247, 0.2924

Monochromacy



Original Color

10.5587, 0.2199, 0.2668

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

9.0195, 0.2661, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5587, 0.2199, 0.2668 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(37, 98, 123)` looks like.

```
.text, #text, p{  
    color:rgb(37, 98, 123)  
}
```

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(37, 98, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 98, 123) }
```

Border

The CSS property to change the border of an element to Yxy 10.5587, 0.2199, 0.2668 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(37, 98, 123) }
```

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

```
.border{ border-color:rgb(37, 98, 123) }
```

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

Here you see how a box with a 4 pixel rgb(37, 98, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 98, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 98, 123);  
box-shadow:4px 4px 4px 4px rgb(37, 98,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5587, 0.2199, 0.2668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 98, 123) }
```

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

```
.background{ background-color: rgb(37, 98,  
123) }
```

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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