

Converting Colors

$Y_{xy}(10.6121, 0.2361, 0.2469)$

Have a look what the booklet for
Yxy(10.6121, 0.2361, 0.2469)
contains.

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Color

Yxy(10.5719, 0.2356, 0.2460)

Conversions

Conversions Part 1

Format	Color
Hex	425D81
RGB	66, 93, 129
RGB Percent	26%, 36%, 51%
CMY	0.7411, 0.6353, 0.4941
CMYK	0.49, 0.28, 0.00, 0.49
HSL	214°, 32%, 38%
HSV	214°, 49%, 51%
XYZ	10.1250, 10.5719, 22.2783
YIQ	89.0310, -27.6480, 5.4720

Conversions

Conversions Part 2

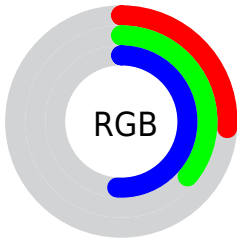
Format	Color
R _Y B	66, 85, 129
Decimal	4349313
CIE Lab	38.85, 0.60, -23.28
CIE LCh	39, 23.291, 271.476
Yxy	10.5719, 0.2356, 0.2460
Android (android.graphics.Color)	4282539393 (0xFF425D81)
YUV	89.0310, 19.7047, -20.1982
Hunter-Lab	32.5145, -1.3156, -17.8644

Details

The Yxy color **10.5719, 0.2356, 0.2460** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.5710, 0.4047, 0.3986**, and the grayscale version is **9.9586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.8042, 0.2548, 0.2667**, and **2.6834, 0.1963, 0.2024** is the 20% darker color. If you saturate the color by 10%, you get **8.9405, 0.2200, 0.2251**, and if you desaturate by 10%, it is **12.4301, 0.2518, 0.2659**.

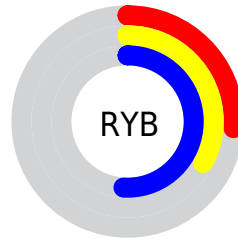
Distribution



Red (26%)

Green (36%)

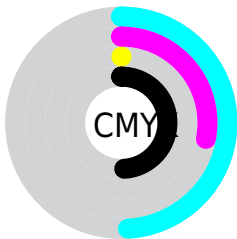
Blue (51%)



Red (26%)

Yellow (33%)

Blue (51%)

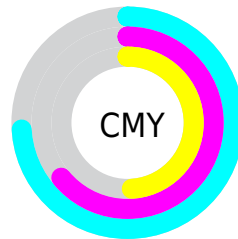


Cyan (49%)

Magenta (28%)

Yellow (0%)

Black (49%)



Cyan (74%)

Magenta (64%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.5719, 0.2356, 0.2460 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 10.5719, 0.2356, 0.2460 by changing the saturation by 10% instead.

■ 10.5719, 0.2356,
0.2460

■ 10.5719, 0.2356,
0.2460

■ 194.7065, 0.2824,
0.2962

■ 5.7798, 0.2202,
0.2295

■ 26.8658, 0.2551,
0.2669

■ 2.7116, 0.1975,
0.2053

■ 39.1363, 0.2616,
0.2739

■ 0.9831, 0.1619,
0.1675

■ 54.6684, 0.2668,
0.2795

■ 0.0000, 0.0000,
0.0000

■ 73.8465, 0.2711,
0.2841

■ 97.0549, 0.2746,
0.2879

124.6782, 0.2776,

0.2911

157.1006, 0.2802,
0.2938

■ 10.5719, 0.2356,
0.2460

■ 10.5719, 0.2356,
0.2460

■ 8.9405, 0.2200,
0.2251

■ 12.4301, 0.2518,
0.2659

■ 7.5243, 0.2054,
0.2037

■ 14.5236, 0.2682,
0.2844

■ 6.3123, 0.1926,
0.1823

■ 16.8617, 0.2842,
0.3014

■ 5.2917, 0.1820,
0.1617

■ 19.4529, 0.2997,
0.3168

■ 4.4346, 0.1732,
0.1422

■ 22.3052, 0.3144,
0.3305

■ 4.3411, 0.1722,
0.1400

■ 25.4263, 0.3283,
0.3428

■ 28.8234, 0.3412,
0.3537

■ 32.5036, 0.3532,
0.3632

■ 36.4736, 0.3642,
0.3716

Harmonies

Analogous

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



10.5719, 0.2175, 0.2644



10.5719, 0.2356, 0.2460



10.5719, 0.2739, 0.2479

Triad

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



10.5719, 0.2356, 0.2460



10.5719, 0.4131, 0.3412



10.5719, 0.2930, 0.4045

Complementary

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



10.5719, 0.2356, 0.2460



14.5710, 0.4047, 0.3986

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.



10.5719, 0.3455, 0.4259



10.5719, 0.2356, 0.2460



10.5719, 0.4172, 0.3824

Square

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



10.5719, 0.2356, 0.2460



10.5719, 0.3785, 0.3005



10.5719, 0.3915, 0.4150



10.5719, 0.2482, 0.3564

Rectangle

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



10.5719, 0.2356, 0.2460



10.5719, 0.3078, 0.2592



10.5719, 0.3915, 0.4150



10.5719, 0.3103, 0.4153

Sweetspot

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



10.5723, 0.2356, 0.2460



31.7499, 0.2897, 0.3069



17.8153, 0.2739, 0.3909



7.0066, 0.2869, 0.3041



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



10.5723, 0.2356, 0.2460



15.5878, 0.2176, 0.2218



6.7947, 0.2292, 0.1842



4.4910, 0.2993, 0.3164



4.2401, 0.1723, 0.1402



0.0000, 0.0000, 0.0000

Inverse Universe

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



9.3571, 0.3839, 0.2767



13.7737, 0.4105, 0.2662



20.4418, 0.3761, 0.4454



4.3725, 0.3217, 0.3198



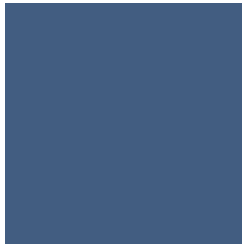
4.8225, 0.5188, 0.2632



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 10.5719, 0.2356, 0.2460 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 10.5719, 0.2356, 0.2460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

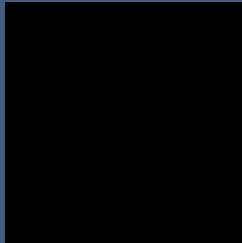
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 10.5719, 0.2356, 0.2460

Background



This preview shows how black text looks on a background with the Yxy color 10.5719, 0.2356, 0.2460.

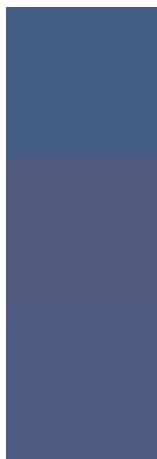


This preview shows how white text looks on a background with the Yxy color 10.5719, 0.2356, 0.2460.

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

10.5719, 0.2356, 0.2460

Protanopia

10.5501, 0.2517, 0.2460

Deuteranopia

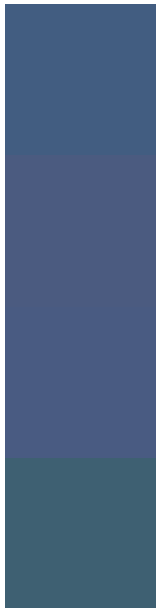
10.5018, 0.2452, 0.2396



Tritanopia

10.4991, 0.2533, 0.3082

Trichromacy



Original Color

10.5719, 0.2356, 0.2460

Protanomaly

10.5365, 0.2452, 0.2452

Deuteranomaly

10.5103, 0.2411, 0.2409

Tritanomaly

10.6048, 0.2469, 0.2844

Monochromacy



Original Color

10.5719, 0.2356, 0.2460

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

10.0611, 0.2796, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.5719, 0.2356, 0.2460 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(66, 93, 129)` looks like.

```
.text, #text, p{  
    color:rgb(66, 93, 129)  
}
```

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(66, 93, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 93, 129) }
```

Border

The CSS property to change the border of an element to Yxy 10.5719, 0.2356, 0.2460 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(66, 93, 129) }
```

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

```
.border{ border-color:rgb(66, 93, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 93, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 93, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 93, 129);  
box-shadow:4px 4px 4px 4px rgb(66, 93,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 10.5719, 0.2356, 0.2460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 93, 129) }
```

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

```
.background{ background-color: rgb(66, 93,  
129) }
```

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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