

Converting Colors

$Yxy(12.6446, 0.2348, 0.3022)$

Have a look what the booklet for
Yxy(12.6446, 0.2348, 0.3022)
contains.

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Color

$Y_{xy}(12.6379, 0.2347, 0.3021)$

Conversions

Conversions Part 1

Format	Color
Hex	2E6C77
RGB	46, 108, 119
RGB Percent	18%, 42%, 47%
CMY	0.8197, 0.5765, 0.5333
CMYK	0.61, 0.09, 0.00, 0.53
HSL	189°, 44%, 32%
HSV	189°, 61%, 47%
XYZ	9.8183, 12.6379, 19.3773
YIQ	90.7160, -40.4830, -9.7230

Conversions

Conversions Part 2

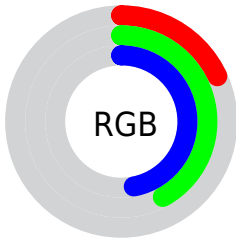
Format	Color
RYB	46, 80, 119
Decimal	3042423
CIELab	42.21, -16.31, -12.13
CIELCh	42, 20.328, 216.638
Yxy	12.6379, 0.2347, 0.3021
Android (android.graphics.Color)	4281232503 (0xFF2E6C77)
YUV	90.7160, 13.9440, -39.2159
Hunter-Lab	35.5498, -12.9132, -7.4325




Details

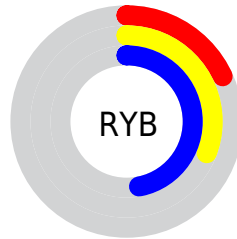
The Yxy color **12.6379, 0.2347, 0.3021** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.0433, 0.4771, 0.3514**, and the grayscale version is **10.3674, 0.3127, 0.3290**.




A 20% lighter version of the original color is **30.7912, 0.2540, 0.3107**, and **3.6866, 0.2123, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **12.0251, 0.2264, 0.2970**, and if you desaturate by 10%, it is **13.3360, 0.2446, 0.3071**.

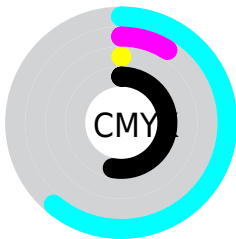
Distribution







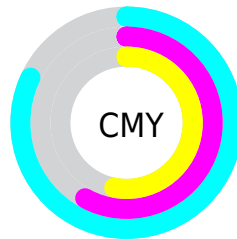
-  Red (18%)
-  Green (42%)
-  Blue (47%)






-  Red (18%)
-  Yellow (31%)
-  Blue (47%)



-  Cyan (61%)
-  Magenta (9%)
-  Yellow (0%)
-  Black (53%)




-  Cyan (82%)
-  Magenta (58%)
-  Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6379, 0.2347, 0.3021 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 12.6379, 0.2347, 0.3021 by changing the saturation by 10% instead.


 12.6379, 0.2347,
0.3021


 12.6379, 0.2347,
0.3021


 208.5838, 0.2809,
0.3194


 7.1797, 0.2199,
0.2957


 30.6517, 0.2537,
0.3097


 3.5747, 0.1984,
0.2855

 43.9761, 0.2601,
0.3121


 1.4386, 0.1650,
0.2673

 60.6913, 0.2653,
0.3140

 0.2449, 0.0000,
0.1791

 81.1817, 0.2695,
0.3155

 0.0000, 0.0000,
0.0000

 105.8318, 0.2731,
0.3167

 135.0259, 0.2761,

0.3178

169.1485, 0.2787,
0.3187

■ 12.6379, 0.2347,
0.3021

■ 12.6379, 0.2347,
0.3021

■ 12.0251, 0.2264,
0.2970

■ 13.3360, 0.2446,
0.3071

■ 11.4897, 0.2199,
0.2919

■ 14.1240, 0.2559,
0.3119

■ 11.0245, 0.2152,
0.2868

■ 15.0074, 0.2685,
0.3165

■ 10.6548, 0.2118,
0.2823

■ 15.9911, 0.2819,
0.3208

■ 17.0797, 0.2961,
0.3248

■ 18.2774, 0.3107,
0.3285

■ 19.5880, 0.3255,
0.3319

■ 21.0153, 0.3402,
0.3349

■ 22.5629, 0.3547,
0.3376

Harmonies

Analogous

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



12.6379, 0.2543, 0.3441



12.6379, 0.2347, 0.3021



12.6379, 0.2343, 0.2719

Triad

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



12.6379, 0.2347, 0.3021



12.6379, 0.3319, 0.2816



12.6379, 0.3727, 0.4034

Complementary

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



12.6379, 0.2347, 0.3021



7.0433, 0.4771, 0.3514

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.



12.6379, 0.3970, 0.3799



12.6379, 0.2347, 0.3021



12.6379, 0.3731, 0.3112

Square

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



12.6379, 0.2347, 0.3021



12.6379, 0.2877, 0.2628



12.6379, 0.3976, 0.3463



12.6379, 0.3332, 0.4067

Rectangle

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



12.6379, 0.2347, 0.3021



12.6379, 0.2447, 0.2612



12.6379, 0.3976, 0.3463



12.6379, 0.3830, 0.3973

Sweetspot

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



12.6384, 0.2347, 0.3021



29.1796, 0.2860, 0.3220



14.0706, 0.2952, 0.4909



6.8067, 0.2826, 0.3210



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.



12.6384, 0.2347, 0.3021



21.0817, 0.2233, 0.2947



6.4869, 0.2135, 0.2054



4.0658, 0.2995, 0.3257



11.3074, 0.2117, 0.2822



54.1074, 0.2110, 0.2795

Inverse Universe

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



6.9570, 0.3403, 0.2096



10.4117, 0.3483, 0.1909



12.0267, 0.4252, 0.4242



3.7489, 0.3157, 0.3112



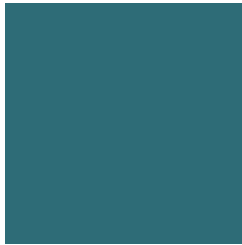
5.1655, 0.3614, 0.1765



25.0716, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 12.6379, 0.2347, 0.3021 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 12.6379, 0.2347, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

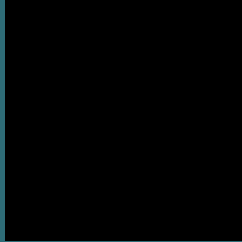
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6379, 0.2347, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 12.6379, 0.2347, 0.3021.

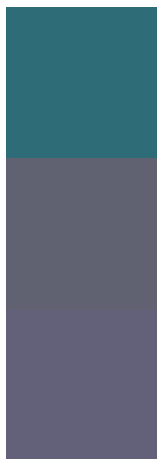


This preview shows how white text looks on a background with the Yxy color 12.6379, 0.2347, 0.3021.

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

12.6379, 0.2347, 0.3021

Protanopia

12.4690, 0.2914, 0.2960

Deuteranopia

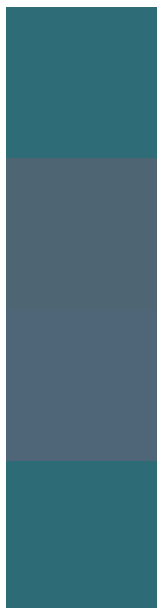
12.5265, 0.2828, 0.2776



Tritanopia

12.5674, 0.2357, 0.3067

Trichromacy



Original Color

12.6379, 0.2347, 0.3021

Protanomaly

12.3602, 0.2656, 0.2987

Deuteranomaly

12.3257, 0.2612, 0.2857

Tritanomaly

12.5910, 0.2349, 0.3044

Monochromacy



Original Color

12.6379, 0.2347, 0.3021

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.9848, 0.2766, 0.3190

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6379, 0.2347, 0.3021 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(46, 108, 119)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 108, 119) }
```

Border

The CSS property to change the border of an element to Yxy 12.6379, 0.2347, 0.3021 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(46, 108, 119) }
```

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

```
.border{ border-color:rgb(46, 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(46, 108, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(46, 108,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6379, 0.2347, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 108, 119) }
```

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

```
.background{ background-color: rgb(46, 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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