

Converting Colors

$Y_{xy}(12.6041, 0.2354, 0.3026)$

Have a look what the booklet for
Yxy(12.6041, 0.2354, 0.3026)
contains.

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Color

$\text{Yxy}(12.6614, 0.2354, 0.3022)$

Conversions

Conversions Part 1

Format	Color
Hex	2F6C77
RGB	47, 108, 119
RGB Percent	18%, 42%, 47%
CMY	0.8158, 0.5764, 0.5334
CMYK	0.61, 0.09, 0.00, 0.53
HSL	189°, 43%, 33%
HSV	189°, 61%, 47%
XYZ	9.8627, 12.6614, 19.3734
YIQ	91.0150, -39.8870, -9.5110

Conversions

Conversions Part 2

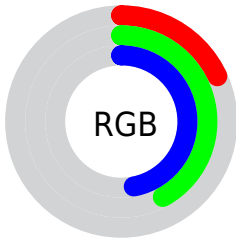
Format	Color
RYB	47, 80, 119
Decimal	3107959
CIELab	42.25, -16.11, -12.06
CIElCh	42, 20.128, 216.813
Yxy	12.6614, 0.2354, 0.3022
Android (android.graphics.Color)	4281298039 (0xFF2F6C77)
YUV	91.0150, 13.7966, -38.6012
Hunter-Lab	35.5829, -12.7944, -7.3729

Details

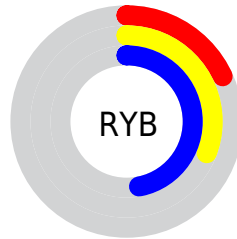
The Yxy color **12.6614, 0.2354, 0.3022** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.1465, 0.4736, 0.3515**, and the grayscale version is **10.4382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8486, 0.2547, 0.3107**, and **3.6866, 0.2123, 0.2843** is the 20% darker color. If you saturate the color by 10%, you get **12.0381, 0.2270, 0.2971**, and if you desaturate by 10%, it is **13.3707, 0.2454, 0.3072**.

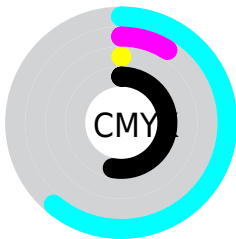
Distribution



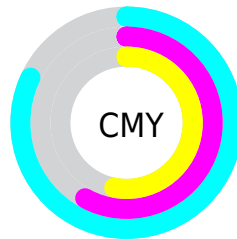
- Red (18%)
- Green (42%)
- Blue (47%)



- 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 12.6614, 0.2354, 0.3022 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 12.6614, 0.2354, 0.3022 by changing the saturation by 10% instead.


 12.6614, 0.2354,
0.3022


 12.6614, 0.2354,
0.3022


 208.7361, 0.2812,
0.3194


 7.1958, 0.2207,
0.2958


 30.6941, 0.2542,
0.3098


 3.5849, 0.1994,
0.2857

 44.0300, 0.2606,
0.3122

 1.4442, 0.1662,
0.2677

 60.7582, 0.2657,
0.3140

 0.2489, 0.0000,
0.1816

 81.2629, 0.2699,
0.3155

 0.0000, 0.0000,
0.0000

 105.9287, 0.2734,
0.3168

 135.1399, 0.2764,

0.3178

169.2809, 0.2790,
0.3187

■ 12.6614, 0.2354,
0.3022

■ 12.6614, 0.2354,
0.3022

■ 12.0381, 0.2270,
0.2971

■ 13.3707, 0.2454,
0.3072

■ 11.4930, 0.2203,
0.2919

■ 14.1704, 0.2569,
0.3121

■ 11.0189, 0.2154,
0.2867

■ 15.0662, 0.2695,
0.3167

■ 10.6096, 0.2116,
0.2818

■ 16.0628, 0.2831,
0.3211

■ 17.1648, 0.2973,
0.3251

■ 18.3763, 0.3119,
0.3288

■ 19.7012, 0.3267,
0.3322

■ 21.1434, 0.3414,
0.3352

■ 22.7063, 0.3559,
0.3379

Harmonies

Analogous

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



12.6614, 0.2547, 0.3437



12.6614, 0.2354, 0.3022



12.6614, 0.2351, 0.2724

Triad

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



12.6614, 0.2354, 0.3022



12.6614, 0.3320, 0.2822



12.6614, 0.3719, 0.4027

Complementary

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



12.6614, 0.2354, 0.3022



7.1465, 0.4736, 0.3515

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.



12.6614, 0.3960, 0.3796



12.6614, 0.2354, 0.3022



12.6614, 0.3727, 0.3116

Square

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



12.6614, 0.2354, 0.3022



12.6614, 0.2883, 0.2635



12.6614, 0.3967, 0.3464



12.6614, 0.3327, 0.4058

Rectangle

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



12.6614, 0.2354, 0.3022



12.6614, 0.2455, 0.2618



12.6614, 0.3967, 0.3464



12.6614, 0.3822, 0.3967

Sweetspot

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



12.6619, 0.2354, 0.3022



29.1634, 0.2860, 0.3219



14.0977, 0.2953, 0.4884



6.8024, 0.2826, 0.3209



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.



12.6619, 0.2354, 0.3022



21.1225, 0.2239, 0.2948



6.5920, 0.2148, 0.2074



4.0648, 0.2995, 0.3257



11.2631, 0.2116, 0.2816



53.8826, 0.2108, 0.2789

Inverse Universe

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



7.0340, 0.3401, 0.2112



10.5208, 0.3481, 0.1922



12.0924, 0.4235, 0.4232



3.7488, 0.3158, 0.3112



5.1610, 0.3620, 0.1768



25.0489, 0.3645, 0.1782

Previews

White Background



This preview shows how the Yxy color 12.6614, 0.2354, 0.3022 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 12.6614, 0.2354, 0.3022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

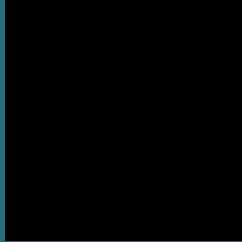
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

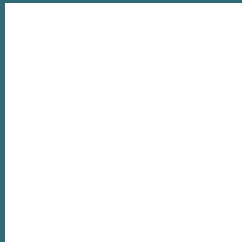
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.6614, 0.2354, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 12.6614, 0.2354, 0.3022.

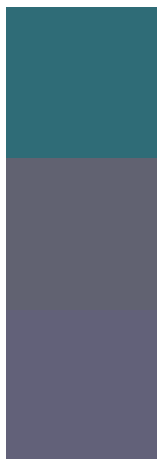


This preview shows how white text looks on a background with the Yxy color 12.6614, 0.2354, 0.3022.

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

12.6614, 0.2354, 0.3022

Protanopia

12.4690, 0.2914, 0.2960

Deuteranopia

12.5265, 0.2828, 0.2776



Tritanopia

12.5903, 0.2364, 0.3068

Trichromacy



Original Color

12.6614, 0.2354, 0.3022

Protanomaly

12.4028, 0.2667, 0.2988

Deuteranomaly

12.3257, 0.2612, 0.2857

Tritanomaly

12.6140, 0.2355, 0.3044

Monochromacy



Original Color

12.6614, 0.2354, 0.3022

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 12.6614, 0.2354, 0.3022 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(47, 108, 119)` looks like.

```
.text, #text, p{  
  color:rgb(47, 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(47, 108, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 108, 119) }
```

Border

The CSS property to change the border of an element to Yxy 12.6614, 0.2354, 0.3022 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(47, 108, 119) }
```

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

```
.border{ border-color:rgb(47, 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(47, 108, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 108, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 108, 119);  
box-shadow:4px 4px 4px 4px rgb(47, 108,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6614, 0.2354, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 108, 119) }
```

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

```
.background{ background-color: rgb(47, 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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