Converting Colors

Yxy(12.5736, 0.2510, 0.3012)

Have a look what the booklet for Yxy(12.5736, 0.2510, 0.3012) contains.

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Color

Yxy(12.5113, 0.2507, 0.3004)

Conversions

Format	Color
Hex	416975
RGB	65, 105, 117
RGB Percent	25%, 41%, 46%
CMY	0.7452, 0.5882, 0.5411
CMYK	0.44, 0.10, 0.00, 0.54
HSL	194°, 29%, 36%
HSV	194°, 44%, 46%
XYZ	10.4414, 12.5113, 18.6961
YIQ	94.4080, -27.6920, -4.7480

Conversions Part 1

Conversions

Conversions Part 2

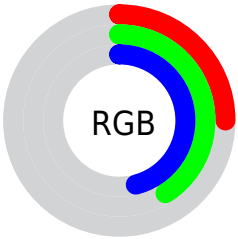
Format	Color
RYB	65, 88, 117
Decimal	4286837
CIELab	42.02, -10.61, -11.13
CIELCh	42, 15.379, 226.378
Yxy	12.5113, 0.2507, 0.3004
Android (android.graphics.Color)	4282476917 (0xFF416975)
YUV	94.4080, 11.1379, -25.7908
Hunter-Lab	35.3713, -9.2079, -6.5789

Details

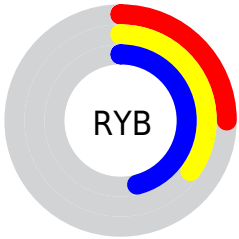
The Yxy color 12.5113, 0.2507, 0.3004 is a dark color, and the websafe version is hex 336666. A complement of this color would be 9.4681, 0.4105, 0.3552, and the grayscale version is 11.2721, 0.3127, 0.3290.

A 20% lighter version of the original color is 30.3545, 0.2662, 0.3078, and 3.5413, 0.2209, 0.2841 is the 20% darker color. If you saturate the color by 10%, you get 11.6120, 0.2389, 0.2928, and if you desaturate by 10%, it is 13.5117, 0.2636, 0.3077.

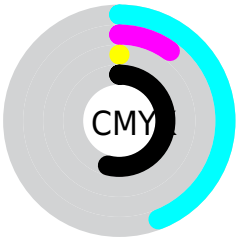
Distribution



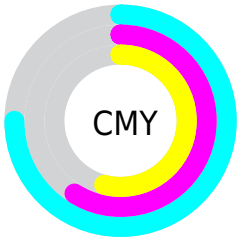
- Red (25%)
- Green (41%)
- Blue (46%)



- Red (25%)
- Yellow (35%)
- Blue (46%)



- Cyan (44%)
- Magenta (10%)
- Yellow (0%)
- Black (54%)



- Cyan (75%)
- Magenta (59%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5113, 0.2507, 0.3004 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 12.5113, 0.2507, 0.3004 by changing the saturation by 10% instead.

12.5113, 0.2507, 0.3004

12.5113, 0.2507, 0.3004

207.7615, 0.2877, 0.3183

7.0929, 0.2386, 0.2940

30.4230, 0.2660, 0.3081

3.5203, 0.2208, 0.2840

43.6850, 0.2711, 0.3106

1.4090, 0.1924, 0.2667

60.3304, 0.2753, 0.3126

0.2233, 0.0000, 0.1792

80.7436, 0.2787, 0.3142

0.0000, 0.0000, 0.0000

105.3089, 0.2815, 0.3155

134.4107, 0.2839,

0.3166

168.4334, 0.2859, 0.3175

12.5113, 0.2507, 0.3004

12.5113, 0.2507, 0.3004

11.6120, 0.2389, 0.2928

13.5117, 0.2636, 0.3077

10.8072, 0.2285, 0.2849

14.6167, 0.2773, 0.3145

10.0913, 0.2197, 0.2768

15.8312, 0.2916, 0.3208

9.4577, 0.2126, 0.2686

17.1596, 0.3062, 0.3266

8.8963, 0.2072, 0.2605

18.6056, 0.3208, 0.3319

8.6001, 0.2044, 0.2560

20.1732, 0.3353, 0.3366

21.8659, 0.3494, 0.3408

23.6871, 0.3632, 0.3446

25.6401, 0.3764, 0.3479

Harmonies

Analogous

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

12.5113, 0.2615, 0.3302

12.5113, 0.2507, 0.3004

12.5113, 0.2553, 0.2806

Triad

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

12.5113, 0.2507, 0.3004

12.5113, 0.3384, 0.2992

12.5113, 0.3500, 0.3881

Complementary

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

12.5113, 0.2507, 0.3004

9.4681, 0.4105, 0.3552

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.

12.5113, 0.3727, 0.3756

12.5113, 0.2507, 0.3004

12.5113, 0.3663, 0.3245

Square

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

12.5113, 0.2507, 0.3004

12.5113, 0.3046, 0.2812

12.5113, 0.3790, 0.3520

12.5113, 0.3180, 0.3836

Rectangle

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

12.5113, 0.2507, 0.3004

12.5113, 0.2666, 0.2749

12.5113, 0.3790, 0.3520

12.5113, 0.3591, 0.3856

Sweetspot

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

12.5118, 0.2507, 0.3004

28.6048, 0.2933, 0.3215

14.3724, 0.2953, 0.4308

6.4820, 0.2906, 0.3204

60.3827, 0.3127, 0.3290

7.3239, 0.3127, 0.3290

Same Dimension

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

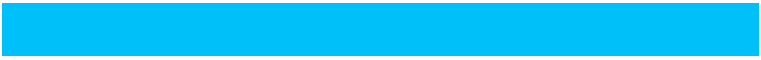
12.5118, 0.2507, 0.3004

20.8065, 0.2390, 0.2929

8.1034, 0.2401, 0.2362

4.0189, 0.2995, 0.3240

9.4505, 0.2043, 0.2556



44.7097, 0.2031, 0.2513

Inverse Universe

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

8.5801, 0.3388, 0.2469

13.1249, 0.3466, 0.2301

13.7186, 0.3873, 0.4066

3.7442, 0.3168, 0.3128

4.9780, 0.3867, 0.1904

24.1229, 0.3910, 0.1927

Previews

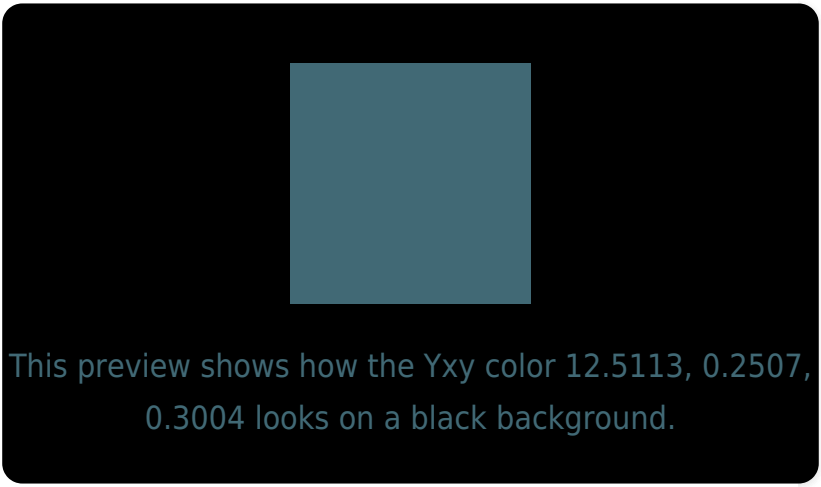
White Background

This preview shows how the Yxy color 12.5113, 0.2507, 0.3004 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

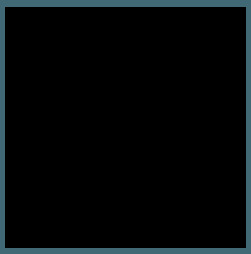


Color Contrast Check

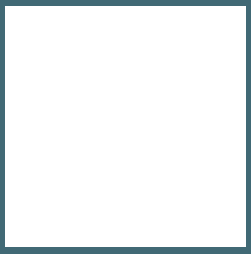
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 12.5113, 0.2507, 0.3004 Background



This preview shows how black text looks on a background with the Yxy color 12.5113, 0.2507, 0.3004.



This preview shows how white text looks on a background with the Yxy color 12.5113, 0.2507, 0.3004.

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
12.5113, 0.2507, 0.3004

Protanopia
12.3920, 0.2913, 0.2980

Deuteranopia
12.4780, 0.2853, 0.2816

Tritanopia
12.4080, 0.2526, 0.3072

Trichromacy

Original Color
12.5113, 0.2507, 0.3004

Protanomaly
12.4536, 0.2749, 0.2993

Deuteranomaly
12.4008, 0.2714, 0.2885

Tritanomaly
12.4309, 0.2517, 0.3049

Monochromacy

Original Color
12.5113, 0.2507, 0.3004

Achromatopsia
11.1932, 0.3127, 0.3290

Achromatomaly
11.5337, 0.2861, 0.3193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5113, 0.2507, 0.3004 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(65, 105, 117) looks like.

```
.text, #text, p{
    color:rgb(65, 105, 117)
}
```

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(65, 105, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 105, 117) }
```

Border

The CSS property to change the border of an element to Yxy 12.5113, 0.2507, 0.3004 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(65, 105, 117) }
```

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

```
.border{ border-color:rgb(65, 105, 117) }
```

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

Here you see how a box with a 4 pixel rgb(65, 105, 117) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(65, 105, 117); -webkit-box-shadow:4px 4px 4px 4px rgb(65, 105, 117); box-shadow:4px 4px 4px 4px rgb(65, 105, 117) }
```

Background

The CSS property to change the background color of an element to Yxy 12.5113, 0.2507, 0.3004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(65, 105, 117) }
```

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

```
.background{ background-color:rgb(65, 105,
117) }
```

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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