

Converting Colors

$Y_{xy}(12.5736, 0.2511, 0.3012)$

Have a look what the booklet for
Yxy(12.5736, 0.2511, 0.3012)
contains.

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Color

Yxy(12.5113, 0.2507, 0.3004)

Conversions

Conversions Part 1

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

Conversions Part 2

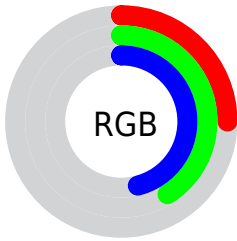
Format	Color
R_{YB}	65, 88, 117
Decimal	4286837
CIE _{Lab}	42.02, -10.61, -11.13
CIE _{LCh}	42, 15.379, 226.378
Yxy	12.5113, 0.2507, 0.3004
Android (android.graphics.Color)	4282476917 (0xFF416975)
YUV	94.4080, 11.1379, -25.7908
Hunter-Lab	35.3713, -9.2079, -6.5789

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**.

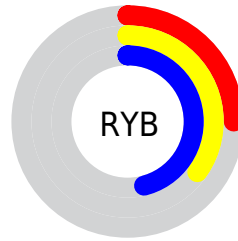
Distribution



Red (25%)

Green (41%)

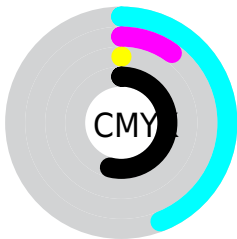
Blue (46%)



Red (25%)

Yellow (35%)

Blue (46%)

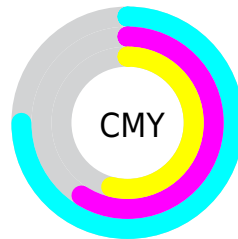


Cyan (44%)

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



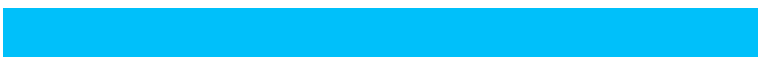
8.1034, 0.2401, 0.2362



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



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

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

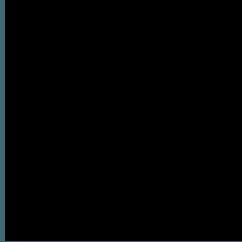
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5113, 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

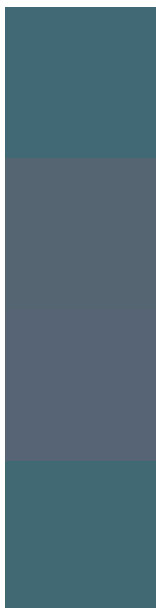
12.4780, 0.2853, 0.2816



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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