

Converting Colors

$Y_{xy}(12.5110, 0.2507, 0.3214)$

Have a look what the booklet for
Yxy(12.5110, 0.2507, 0.3214)
contains.

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Color

$Y_{xy}(12.5110, 0.2507, 0.3214)$

Conversions

Conversions Part 1

Format	Color
Hex	396B6E
RGB	57, 107, 110
RGB Percent	22%, 42%, 43%
CMY	0.7766, 0.5804, 0.5686
CMYK	0.48, 0.03, 0.00, 0.57
HSL	183°, 32%, 33%
HSV	183°, 48%, 43%
XYZ	9.7589, 12.5110, 16.6567
YIQ	92.3920, -30.7630, -9.6670

Conversions

Conversions Part 2

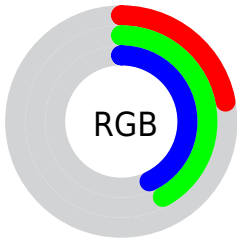
Format	Color
RYB	57, 83, 110
Decimal	3763054
CIELab	42.02, -15.94, -6.94
CIElCh	42, 17.386, 203.509
Yxy	12.5110, 0.2507, 0.3214
Android (android.graphics.Color)	4281953134 (0xFF396B6E)
YUV	92.3920, 8.6807, -31.0388
Hunter-Lab	35.3709, -12.6506, -3.1609

Details

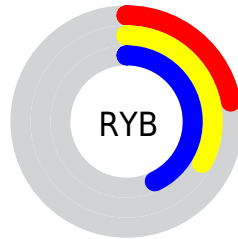
The Yxy color **12.5110, 0.2507, 0.3214** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.8412, 0.4317, 0.3362**, and the grayscale version is **10.7815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5931, 0.2658, 0.3239**, and **3.4868, 0.2199, 0.3115** is the 20% darker color. If you saturate the color by 10%, you get **12.0928, 0.2414, 0.3196**, and if you desaturate by 10%, it is **13.0012, 0.2615, 0.3231**.

Distribution



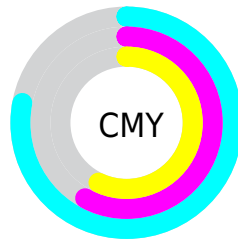
- Red (22%)
- Green (42%)
- Blue (43%)



- Red (22%)
- Yellow (33%)
- Blue (43%)



- Cyan (48%)
- Magenta (3%)
- Yellow (0%)
- Black (57%)



- Cyan (78%)
- Magenta (58%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.5110, 0.2507, 0.3214 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 12.5110, 0.2507, 0.3214 by changing the saturation by 10% instead.

12.5110, 0.2507,
0.3214

12.5110, 0.2507,
0.3214

207.7595, 0.2878,
0.3267

7.0927, 0.2385,
0.3191

30.4224, 0.2661,
0.3239

3.5201, 0.2205,
0.3153

43.6843, 0.2712,
0.3246

1.4089, 0.1912,
0.3077

60.3296, 0.2754,
0.3252

0.2233, 0.0000,
0.2347

80.7426, 0.2788,
0.3256

0.0000, 0.0000,
0.0000

105.3076, 0.2816,
0.3260

134.4092, 0.2840,

0.3262

168.4317, 0.2860,
0.3265

■ 12.5110, 0.2507,
0.3214

■ 12.5110, 0.2507,
0.3214

■ 12.0928, 0.2414,
0.3196

■ 13.0012, 0.2615,
0.3231

■ 11.7406, 0.2338,
0.3178

■ 13.5661, 0.2736,
0.3248

■ 11.4497, 0.2278,
0.3160

■ 14.2100, 0.2868,
0.3264

■ 11.2142, 0.2236,
0.3142

■ 14.9365, 0.3008,
0.3279

■ 11.0156, 0.2206,
0.3124

■ 15.7490, 0.3153,
0.3292

■ 10.9805, 0.2200,
0.3120

■ 16.6506, 0.3302,
0.3305

■ 17.6444, 0.3452,
0.3316

■ 18.7332, 0.3602,
0.3326

■ 19.9197, 0.3748,
0.3335

Harmonies

Analogous

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



12.5110, 0.2746, 0.3581



12.5110, 0.2507, 0.3214



12.5110, 0.2428, 0.2899

Triad

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



12.5110, 0.2507, 0.3214



12.5110, 0.3124, 0.2792



12.5110, 0.3758, 0.3862

Complementary

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



12.5110, 0.2507, 0.3214



6.8412, 0.4317, 0.3362

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.



12.5110, 0.3880, 0.3615



12.5110, 0.2507, 0.3214



12.5110, 0.3503, 0.3016

Square

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



12.5110, 0.2507, 0.3214



12.5110, 0.2767, 0.2682



12.5110, 0.3786, 0.3309



12.5110, 0.3466, 0.3968

Rectangle

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



12.5110, 0.2507, 0.3214



12.5110, 0.2470, 0.2759



12.5110, 0.3786, 0.3309



12.5110, 0.3821, 0.3791

Sweetspot

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



12.5115, 0.2507, 0.3214



25.4204, 0.2921, 0.3270



12.3466, 0.3034, 0.4642



5.8677, 0.2898, 0.3267



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.5115, 0.2507, 0.3214



21.1420, 0.2403, 0.3194



7.8566, 0.2384, 0.2521



3.7843, 0.2996, 0.3278



13.1728, 0.2200, 0.3119



65.1887, 0.2197, 0.3109

Inverse Universe

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



7.3012, 0.3234, 0.2239



10.8888, 0.3262, 0.2030



10.2901, 0.4027, 0.3943



3.4504, 0.3145, 0.3094



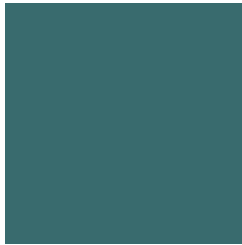
5.1756, 0.3351, 0.1620



25.7386, 0.3360, 0.1624

Previews

White Background



This preview shows how the Yxy color 12.5110, 0.2507, 0.3214 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 12.5110, 0.2507, 0.3214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

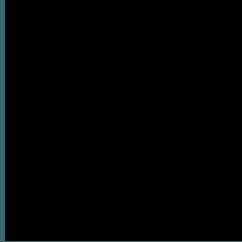
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5110, 0.2507, 0.3214

Background



This preview shows how black text looks on a background with the Yxy color 12.5110, 0.2507, 0.3214.



This preview shows how white text looks on a background with the Yxy color 12.5110, 0.2507, 0.3214.

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

12.5110, 0.2507, 0.3214

Protanopia

12.4079, 0.3047, 0.3134

Deuteranopia

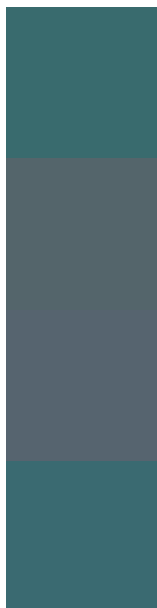
12.3604, 0.2997, 0.2943



Tritanopia

12.4757, 0.2474, 0.3071

Trichromacy



Original Color

12.5110, 0.2507, 0.3214

Protanomaly

12.2537, 0.2817, 0.3149

Deuteranomaly

12.2405, 0.2794, 0.3036

Tritanomaly

12.3999, 0.2484, 0.3118

Monochromacy



Original Color

12.5110, 0.2507, 0.3214

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

11.1125, 0.2843, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5110, 0.2507, 0.3214 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(57, 107, 110)` looks like.

```
.text, #text, p{  
    color:rgb(57, 107, 110)  
}
```

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(57, 107, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 107, 110) }
```

Border

The CSS property to change the border of an element to Yxy 12.5110, 0.2507, 0.3214 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(57, 107, 110) }
```

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

```
.border{ border-color:rgb(57, 107, 110) }
```

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

Here you see how a box with a 4 pixel rgb(57, 107, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 107, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 107, 110);  
box-shadow:4px 4px 4px 4px rgb(57, 107,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5110, 0.2507, 0.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 107, 110) }
```

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

```
.background{ background-color: rgb(57, 107,  
110) }
```

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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