

Converting Colors

$Y_{xy}(10.0750, 0.2563, 0.2565)$

Have a look what the booklet for
Yxy(10.0750, 0.2563, 0.2565)
contains.

Yxy(10.1205, 0.2564, 0.2568)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.1205, 0.2564, 0.2568)

Conversions

Conversions Part 1

Format	Color
Hex	4E5978
RGB	78, 89, 120
RGB Percent	31%, 35%, 47%
CMY	0.6940, 0.6510, 0.5295
CMYK	0.35, 0.26, 0.00, 0.53
HSL	224°, 21%, 39%
HSV	224°, 35%, 47%
XYZ	10.1047, 10.1205, 19.1848
YIQ	89.2450, -16.5070, 7.3090

Conversions

Conversions Part 2

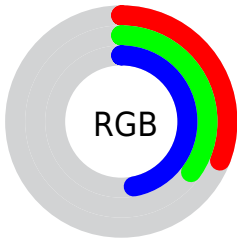
Format	Color
R_{YB}	78, 87, 120
Decimal	5134712
CIE Lab	38.06, 3.86, -18.92
CIE LCh	38, 19.309, 281.519
Yxy	10.1205, 0.2564, 0.2568
Android (android.graphics.Color)	4283324792 (0xFF4E5978)
YUV	89.2450, 15.1622, -9.8619
Hunter-Lab	31.8127, 1.0250, -13.4862

Details

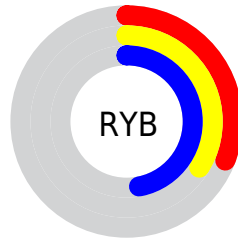
The Yxy color **10.1205, 0.2564, 0.2568** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.4806, 0.3693, 0.3919**, and the grayscale version is **10.0164, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0330, 0.2712, 0.2760**, and **2.5476, 0.2270, 0.2222** is the 20% darker color. If you saturate the color by 10%, you get **8.2726, 0.2385, 0.2317**, and if you desaturate by 10%, it is **12.2392, 0.2737, 0.2801**.

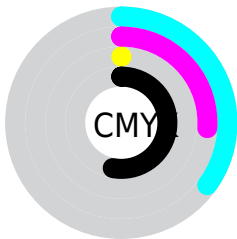
Distribution



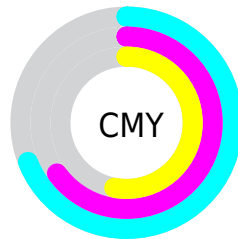
- Red (31%)
- Green (35%)
- Blue (47%)



- Red (31%)
- Yellow (34%)
- Blue (47%)



- Cyan (35%)
- Magenta (26%)
- Yellow (0%)
- Black (53%)



- Cyan (69%)
- Magenta (65%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.1205, 0.2564, 0.2568 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 10.1205, 0.2564, 0.2568 by changing the saturation by 10% instead.

■ 10.1205, 0.2564,
0.2568

■ 10.1205, 0.2564,
0.2568

■ 191.5299, 0.2912,
0.3007

■ 5.4789, 0.2444,
0.2420

■ 26.0219, 0.2712,
0.2752

■ 2.5309, 0.2261,
0.2201

■ 38.0505, 0.2760,
0.2813

■ 0.8921, 0.1956,
0.1844

■ 53.3103, 0.2799,
0.2862

■ 0.0000, 0.0000,
0.0000

■ 72.1856, 0.2830,
0.2902

■ 95.0608, 0.2856,
0.2935

122.3203, 0.2877,

0.2963

154.3486, 0.2896,
0.2987

■ 10.1205, 0.2564,
0.2568

■ 10.1205, 0.2564,
0.2568

■ 8.2726, 0.2385,
0.2317

■ 12.2392, 0.2737,
0.2801

■ 6.6829, 0.2207,
0.2054

■ 14.6381, 0.2902,
0.3013

■ 5.3397, 0.2037,
0.1786

■ 17.3276, 0.3055,
0.3203

■ 4.2299, 0.1882,
0.1524

■ 20.3173, 0.3197,
0.3372

■ 3.3387, 0.1751,
0.1281

■ 23.6161, 0.3325,
0.3521

■ 2.6469, 0.1650,
0.1067

■ 27.2328, 0.3442,
0.3652

■ 2.3562, 0.1603,
0.0971

■ 31.1758, 0.3547,
0.3767

■ 35.4529, 0.3642,
0.3866

■ 40.0720, 0.3727,
0.3954

Harmonies

Analogous

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



10.1205, 0.2345, 0.2672



10.1205, 0.2564, 0.2568



10.1205, 0.2941, 0.2636

Triad

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



10.1205, 0.2564, 0.2568



10.1205, 0.4012, 0.3524



10.1205, 0.2825, 0.3800

Complementary

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



10.1205, 0.2564, 0.2568



15.4806, 0.3693, 0.3919

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.



10.1205, 0.3263, 0.4067



10.1205, 0.2564, 0.2568



10.1205, 0.3963, 0.3858

Square

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



10.1205, 0.2564, 0.2568



10.1205, 0.3801, 0.3164



10.1205, 0.3682, 0.4073



10.1205, 0.2485, 0.3371

Rectangle

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



10.1205, 0.2564, 0.2568



10.1205, 0.3244, 0.2764



10.1205, 0.3682, 0.4073



10.1205, 0.2966, 0.3915

Sweetspot

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



10.1209, 0.2564, 0.2568



27.9262, 0.2976, 0.3106



16.1493, 0.2764, 0.3540



6.4918, 0.2958, 0.3084



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.



10.1209, 0.2564, 0.2568



15.1502, 0.2420, 0.2367



8.8729, 0.2668, 0.2339



4.0484, 0.2994, 0.3128



2.5500, 0.1601, 0.0965



10.9589, 0.1579, 0.0883

Inverse Universe

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



10.1649, 0.3696, 0.3061



15.4405, 0.3890, 0.3008



17.3067, 0.3493, 0.4157



4.0307, 0.3240, 0.3234



4.4643, 0.5812, 0.2976



21.1735, 0.5938, 0.3045

Previews

White Background



This preview shows how the Yxy color 10.1205, 0.2564, 0.2568 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 10.1205, 0.2564, 0.2568 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

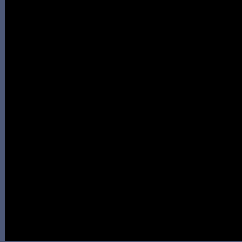
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

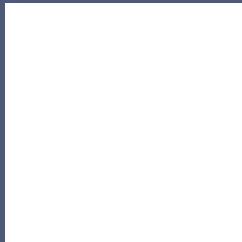
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 10.1205, 0.2564, 0.2568

Background



This preview shows how black text looks on a background with the Yxy color 10.1205, 0.2564, 0.2568.

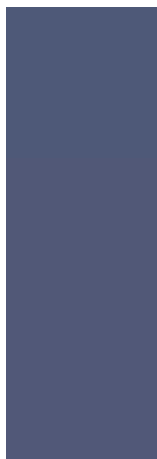


This preview shows how white text looks on a background with the Yxy color 10.1205, 0.2564, 0.2568.

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

10.1205, 0.2564, 0.2568

Protanopia

10.0607, 0.2610, 0.2571

Deuteranopia

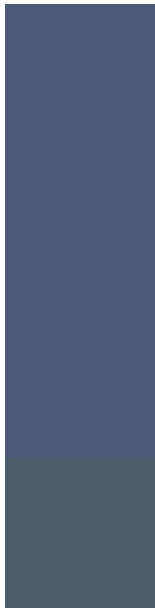
10.0848, 0.2599, 0.2551



Tritanopia

10.1653, 0.2743, 0.3111

Trichromacy



Original Color

10.1205, 0.2564, 0.2568

Protanomaly

10.0168, 0.2597, 0.2569

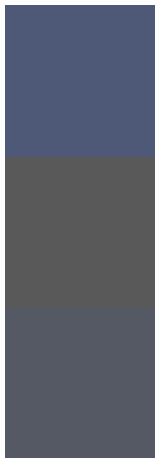
Deuteranomaly

10.0410, 0.2586, 0.2549

Tritanomaly

10.2117, 0.2682, 0.2919

Monochromacy



Original Color

10.1205, 0.2564, 0.2568

Achromatopsia

9.9899, 0.3127, 0.3290

Achromatomaly

9.9962, 0.2907, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.1205, 0.2564, 0.2568 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(78, 89, 120)` looks like.

```
.text, #text, p{  
    color:rgb(78, 89, 120)  
}
```

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(78, 89, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 89, 120) }
```

Border

The CSS property to change the border of an element to Yxy 10.1205, 0.2564, 0.2568 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(78, 89, 120) }
```

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

```
.border{ border-color:rgb(78, 89, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 89, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 89, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 89, 120);  
box-shadow:4px 4px 4px 4px rgb(78, 89,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 10.1205, 0.2564, 0.2568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 89, 120) }
```

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

```
.background{ background-color: rgb(78, 89,  
120) }
```

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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