

Converting Colors

$Y_{xy}(5.4574, 0.2526, 0.1790)$

Have a look what the booklet for
Yxy(5.4574, 0.2526, 0.1790)
contains.

Yxy(5.4458, 0.2526, 0.1776)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(5.4458, 0.2526, 0.1776)$

Conversions

Conversions Part 1

Format	Color
Hex	503475
RGB	80, 52, 117
RGB Percent	31%, 20%, 46%
CMY	0.6864, 0.7960, 0.5412
CMYK	0.32, 0.56, 0.00, 0.54
HSL	266°, 38%, 33%
HSV	266°, 56%, 46%
XYZ	7.7455, 5.4458, 17.4719
YIQ	67.7820, -4.1770, 26.1510

Conversions

Conversions Part 2

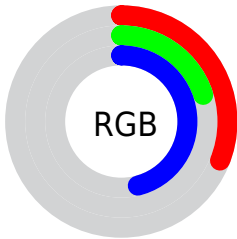
Format	Color
R_{YB}	80, 52, 117
Decimal	5256309
CIE _{Lab}	27.97, 27.25, -32.87
CIE _{LCh}	28, 42.701, 309.660
Yxy	5.4458, 0.2526, 0.1776
Android (android.graphics.Color)	4283446389 (0xFF503475)
YUV	67.7820, 24.2645, 10.7152
Hunter-Lab	23.3362, 18.4076, -28.0553

Details

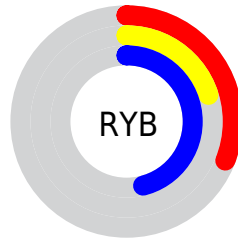
The Yxy color **5.4458, 0.2526, 0.1776** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **15.0958, 0.3494, 0.4750**, and the grayscale version is **5.7049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **16.8419, 0.2708, 0.2154**, and **0.8823, 0.2086, 0.1086** is the 20% darker color. If you saturate the color by 10%, you get **4.2518, 0.2386, 0.1503**, and if you desaturate by 10%, it is **6.9279, 0.2660, 0.2065**.

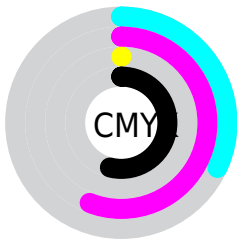
Distribution



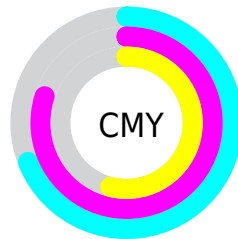
- Red (31%)
- Green (20%)
- Blue (46%)



- Red (31%)
- Yellow (20%)
- Blue (46%)



- Cyan (32%)
- Magenta (56%)
- Yellow (0%)
- Black (54%)





- Cyan (69%)
- Magenta (80%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 5.4458, 0.2526, 0.1776 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 5.4458, 0.2526, 0.1776 by changing the saturation by 10% instead.


 5.4458, 0.2526,
0.1776


 5.4458, 0.2526,
0.1776


 154.0415, 0.2938,
0.2692


 2.5111, 0.2357,
0.1486

 16.7700, 0.2716,
0.2154


 0.8822, 0.2081,
0.1085


 25.9282, 0.2774,
0.2282

 0.0000, 0.1522,
0.0000

 37.9298, 0.2818,
0.2385

 0.0000, 0.0000,
0.0000

 53.1591, 0.2853,
0.2469

 72.0006, 0.2880,
0.2539

 94.8385, 0.2903,

0.2598

122.0573, 0.2922,
0.2648

■ 5.4458, 0.2526,
0.1776

■ 5.4458, 0.2526,
0.1776

■ 4.2518, 0.2386,
0.1503

■ 6.9279, 0.2660,
0.2065

■ 3.3251, 0.2245,
0.1259

■ 8.7160, 0.2785,
0.2357

■ 2.6427, 0.2111,
0.1058

■ 10.8268, 0.2898,
0.2641

■ 2.1630, 0.1987,
0.0905

■ 13.2760, 0.2997,
0.2910

■ 1.9713, 0.1935,
0.0839

■ 16.0780, 0.3084,
0.3160

■ 19.2465, 0.3159,
0.3389

■ 22.7943, 0.3223,
0.3597

■ 26.7336, 0.3277,
0.3784

■ 31.0763, 0.3322,
0.3951

Harmonies

Analogous

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



5.4458, 0.1725, 0.1624



5.4458, 0.2526, 0.1776



5.4458, 0.3712, 0.2197

Triad

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



5.4458, 0.2526, 0.1776



5.4458, 0.5189, 0.4354



5.4458, 0.1556, 0.3478

Complementary

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



5.4458, 0.2526, 0.1776



15.0958, 0.3494, 0.4750

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.



5.4458, 0.2294, 0.4920



5.4458, 0.2526, 0.1776



5.4458, 0.4398, 0.5194

Square

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



5.4458, 0.2526, 0.1776



5.4458, 0.5442, 0.3544



5.4458, 0.3325, 0.5573



5.4458, 0.1256, 0.2340

Rectangle

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



5.4458, 0.2526, 0.1776



5.4458, 0.4544, 0.2599



5.4458, 0.3325, 0.5573



5.4458, 0.1754, 0.3968

Sweetspot

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



5.4460, 0.2526, 0.1776



22.8949, 0.2980, 0.2860



9.3138, 0.2313, 0.2603



5.1089, 0.2965, 0.2821



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.



5.4460, 0.2526, 0.1776



7.0349, 0.2341, 0.1421



7.1590, 0.3087, 0.1997



3.6598, 0.3055, 0.3075



2.1631, 0.1930, 0.0837



10.0550, 0.1877, 0.0808

Inverse Universe

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



6.9608, 0.3759, 0.2523



10.1973, 0.3988, 0.2385



13.8528, 0.3103, 0.4945



3.7326, 0.3196, 0.3170



4.6056, 0.4604, 0.2310



22.2694, 0.4699, 0.2362

Previews

White Background



This preview shows how the Yxy color 5.4458, 0.2526, 0.1776 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 ✓ Pass

Black Background



This preview shows how the Yxy color 5.4458, 0.2526, 0.1776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

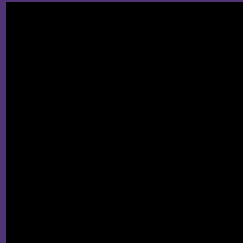
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 5.4458, 0.2526, 0.1776

Background



This preview shows how black text looks on a background with the Yxy color 5.4458, 0.2526, 0.1776.



This preview shows how white text looks on a background with the Yxy color 5.4458, 0.2526, 0.1776.

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

5.4458, 0.2526, 0.1776

Protanopia

5.4848, 0.1880, 0.1651

Deuteranopia

5.5052, 0.2009, 0.1982



Tritanopia

5.4361, 0.3177, 0.3137

Trichromacy



Original Color

5.4458, 0.2526, 0.1776

Protanomaly

5.2932, 0.2025, 0.1663

Deuteranomaly

5.3114, 0.2135, 0.1879

Tritanomaly

5.3594, 0.2915, 0.2553

Monochromacy



Original Color

5.4458, 0.2526, 0.1776

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

5.4949, 0.2877, 0.2602

CSS Examples

Text

The CSS property to change the color of the text to Yxy 5.4458, 0.2526, 0.1776 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(80, 52, 117)` looks like.

```
.text, #text, p{  
    color:rgb(80, 52, 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(80, 52, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 52, 117) }
```

Border

The CSS property to change the border of an element to Yxy 5.4458, 0.2526, 0.1776 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(80, 52, 117) }
```

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

```
.border{ border-color:rgb(80, 52, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 52, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 52, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 52, 117);  
box-shadow:4px 4px 4px 4px rgb(80, 52,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 5.4458, 0.2526, 0.1776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 52, 117) }
```

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

```
.background{ background-color: rgb(80, 52,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor