

Converting Colors

$Y_{xy}(12.5444, 0.2768, 0.1963)$

Have a look what the booklet for
Yxy(12.5444, 0.2768, 0.1963)
contains.

Yxy(12.5726, 0.2763, 0.1960)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.5726, 0.2763, 0.1960)

Conversions

Conversions Part 1

Format	Color
Hex	7F4F9E
RGB	127, 79, 158
RGB Percent	50%, 31%, 62%
CMY	0.5019, 0.6902, 0.3803
CMYK	0.20, 0.50, 0.00, 0.38
HSL	276°, 33%, 46%
HSV	276°, 50%, 62%
XYZ	17.7235, 12.5726, 33.8498
YIQ	102.3580, 3.2490, 34.7450

Conversions

Conversions Part 2

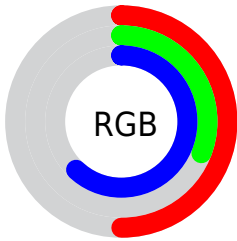
Format	Color
RYB	127, 79, 158
Decimal	8343454
CIELab	42.11, 35.17, -35.29
CIElCh	42, 49.826, 314.901
Yxy	12.5726, 0.2763, 0.1960
Android (android.graphics.Color)	4286533534 (0xFF7F4F9E)
YUV	102.3580, 27.4315, 21.6110
Hunter-Lab	35.4579, 27.1715, -31.7806

Details

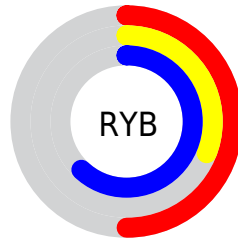
The Yxy color **12.5726, 0.2763, 0.1960** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **28.3395, 0.3333, 0.4706**, and the grayscale version is **13.3119, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.5931, 0.2862, 0.2242**, and **3.5164, 0.2549, 0.1496** is the 20% darker color. If you saturate the color by 10%, you get **10.0971, 0.2664, 0.1700**, and if you desaturate by 10%, it is **15.6203, 0.2855, 0.2235**.

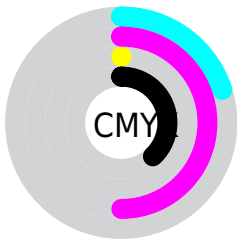
Distribution



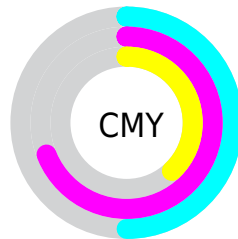
- Red (50%)
- Green (31%)
- Blue (62%)



- Red (50%)
- Yellow (31%)
- Blue (62%)



- Cyan (20%)
- Magenta (50%)
- Yellow (0%)
- Black (38%)




- Cyan (50%)
- Magenta (69%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5726, 0.2763, 0.1960 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 12.5726, 0.2763, 0.1960 by changing the saturation by 10% instead.


 12.5726, 0.2763,
0.1960


 12.5726, 0.2763,
0.1960


208.1601, 0.2999,
0.2687


 7.1349, 0.2680,
0.1762


 30.5338, 0.2865,
0.2237


 3.5466, 0.2556,
0.1503


 43.8260, 0.2898,
0.2338


 1.4233, 0.2357,
0.1155

 60.5053, 0.2924,
0.2421

 0.2338, 0.2066,
0.0438

 80.9559, 0.2945,
0.2491

 0.0000, 0.0173,
0.0000

 105.5623, 0.2963,
0.2551

 0.0000, 0.0000,
0.0000

134.7089, 0.2977,

0.2602

168.7800, 0.2989,
0.2647

■ 12.5726, 0.2763,
0.1960

■ 12.5726, 0.2763,
0.1960

■ 10.0971, 0.2664,
0.1700

■ 15.6203, 0.2855,
0.2235

■ 8.1526, 0.2561,
0.1467

■ 19.2742, 0.2938,
0.2513

■ 6.6949, 0.2456,
0.1273

■ 23.5677, 0.3011,
0.2786

■ 5.6716, 0.2355,
0.1126

■ 28.5311, 0.3074,
0.3046

■ 4.9583, 0.2259,
0.1018

■ 34.1926, 0.3127,
0.3290

■ 40.5791, 0.3172,
0.3514

■ 47.7157, 0.3209,
0.3720

■ 55.6266, 0.3240,
0.3905

■ 64.3346, 0.3265,
0.4073

Harmonies

Analogous

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



12.5726, 0.1958, 0.1774



12.5726, 0.2763, 0.1960



12.5726, 0.3852, 0.2393

Triad

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



12.5726, 0.2763, 0.1960



12.5726, 0.4896, 0.4427



12.5726, 0.1635, 0.3265

Complementary

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



12.5726, 0.2763, 0.1960



28.3395, 0.3333, 0.4706

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.



12.5726, 0.2259, 0.4506



12.5726, 0.2763, 0.1960



12.5726, 0.4133, 0.5090

Square

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



12.5726, 0.2763, 0.1960



12.5726, 0.5210, 0.3691



12.5726, 0.3178, 0.5264



12.5726, 0.1406, 0.2332

Rectangle

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



12.5726, 0.2763, 0.1960



12.5726, 0.4553, 0.2785



12.5726, 0.3178, 0.5264



12.5726, 0.1799, 0.3672

Sweetspot

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



12.5731, 0.2763, 0.1960



46.8863, 0.3042, 0.2910



15.4130, 0.2314, 0.2372



10.1740, 0.3029, 0.2858



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.5731, 0.2763, 0.1960



17.8746, 0.2652, 0.1672



15.0672, 0.3291, 0.2212



6.6246, 0.3078, 0.3065



3.9932, 0.2267, 0.1022



0.0954, 0.2656, 0.1237

Inverse Universe

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



13.9869, 0.3934, 0.2791



20.9741, 0.4223, 0.2702



26.8090, 0.3000, 0.4683



6.6871, 0.3226, 0.3203



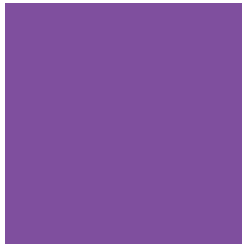
6.1074, 0.5360, 0.2726



0.1172, 0.4392, 0.2193

Previews

White Background



This preview shows how the Yxy color 12.5726, 0.2763, 0.1960 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 12.5726, 0.2763, 0.1960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

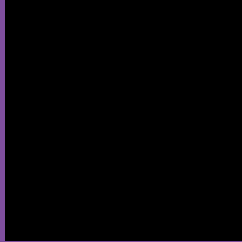
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5726, 0.2763, 0.1960

Background



This preview shows how black text looks on a background with the Yxy color 12.5726, 0.2763, 0.1960.



This preview shows how white text looks on a background with the Yxy color 12.5726, 0.2763, 0.1960.

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

12.5726, 0.2763, 0.1960

Protanopia

12.7345, 0.2043, 0.1842

Deuteranopia

12.8252, 0.2243, 0.2202



Tritanopia

12.6004, 0.3417, 0.3146

Trichromacy



Original Color

12.5726, 0.2763, 0.1960

Protanomaly

12.2031, 0.2232, 0.1847

Deuteranomaly

12.2962, 0.2396, 0.2081

Tritanomaly

12.4249, 0.3157, 0.2646

Monochromacy



Original Color

12.5726, 0.2763, 0.1960

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.7901, 0.2994, 0.2721

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5726, 0.2763, 0.1960 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(127, 79, 158)` looks like.

```
.text, #text, p{  
  color:rgb(127, 79, 158)  
}
```

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(127, 79, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 79, 158) }
```

Border

The CSS property to change the border of an element to Yxy 12.5726, 0.2763, 0.1960 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(127, 79, 158) }
```

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

```
.border{ border-color:rgb(127, 79, 158) }
```

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

Here you see how a box with a 4 pixel rgb(127, 79, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 79, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 79, 158);  
box-shadow:4px 4px 4px 4px rgb(127, 79,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5726, 0.2763, 0.1960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 79, 158) }
```

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

```
.background{ background-color: rgb(127, 79,  
158) }
```

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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