

Converting Colors

$Y_{xy}(10.0371, 0.2520, 0.2149)$

Have a look what the booklet for
Yxy(10.0371, 0.2520, 0.2149)
contains.

Yxy(10.0144, 0.2513, 0.2142)	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(10.0144, 0.2513, 0.2142)

Conversions

Conversions Part 1

Format	Color
Hex	5A5289
RGB	90, 82, 137
RGB Percent	35%, 32%, 54%
CMY	0.6471, 0.6784, 0.4627
CMYK	0.34, 0.40, 0.00, 0.46
HSL	249°, 25%, 43%
HSV	249°, 40%, 54%
XYZ	11.7489, 10.0144, 24.9892
YIQ	90.6620, -12.8870, 18.8010

Conversions

Conversions Part 2

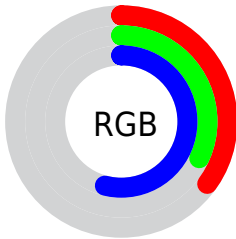
Format	Color
RYB	90, 82, 137
Decimal	5919369
CIELab	37.87, 16.88, -29.57
CIELCh	38, 34.053, 299.717
Yxy	10.0144, 0.2513, 0.2142
Android (android.graphics.Color)	4284109449 (0xFF5A5289)
YUV	90.6620, 22.8446, -0.5806
Hunter-Lab	31.6455, 10.8913, -24.6671

Details

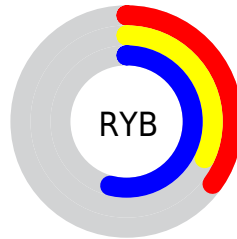
The Yxy color **10.0144, 0.2513, 0.2142** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.1780, 0.3608, 0.4281**, and the grayscale version is **10.3305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7450, 0.2676, 0.2402**, and **2.4827, 0.2183, 0.1644** is the 20% darker color. If you saturate the color by 10%, you get **7.6086, 0.2325, 0.1811**, and if you desaturate by 10%, it is **12.9262, 0.2691, 0.2463**.

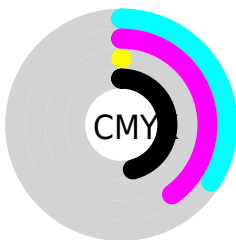
Distribution



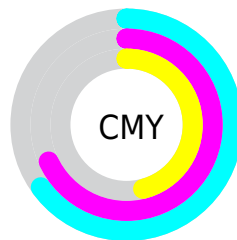
- Red (35%)
- Green (32%)
- Blue (54%)



- Red (35%)
- Yellow (32%)
- Blue (54%)



- Cyan (34%)
- Magenta (40%)
- Yellow (0%)
- Black (46%)



- Cyan (65%)
- Magenta (68%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.0144, 0.2513, 0.2142 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 10.0144, 0.2513, 0.2142 by changing the saturation by 10% instead.

■ 10.0144, 0.2513,
0.2142

■ 10.0144, 0.2513,
0.2142

■ 190.7748, 0.2896,
0.2812

■ 5.4085, 0.2381,
0.1938

■ 25.8226, 0.2676,
0.2411

■ 2.4889, 0.2184,
0.1655

■ 37.7937, 0.2730,
0.2505

■ 0.8711, 0.1868,
0.1246

■ 52.9886, 0.2772,
0.2580

■ 0.0000, 0.0827,
0.0000

■ 71.7918, 0.2807,
0.2642

■ 0.0000, 0.0000,
0.0000

■ 94.5876, 0.2835,
0.2695

121.7604, 0.2859,

0.2740

153.6947, 0.2879,
0.2778

■ 10.0144, 0.2513,
0.2142

■ 10.0144, 0.2513,
0.2142

■ 7.6086, 0.2325,
0.1811

■ 12.9262, 0.2691,
0.2463

■ 5.6788, 0.2135,
0.1488

■ 16.3697, 0.2853,
0.2765

■ 4.1932, 0.1953,
0.1192

■ 20.3700, 0.2998,
0.3040

■ 3.1158, 0.1793,
0.0944

■ 24.9504, 0.3125,
0.3286

■ 2.4050, 0.1664,
0.0763

■ 30.1328, 0.3236,
0.3505

■ 1.9541, 0.1572,
0.0640

■ 35.9380, 0.3331,
0.3696

■ 42.3857, 0.3412,
0.3864

■ 49.4949, 0.3482,
0.4010

■ 57.2837, 0.3542,
0.4137

Harmonies

Analogous

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



10.0144, 0.2006, 0.2115



10.0144, 0.2513, 0.2142



10.0144, 0.3259, 0.2398

Triad

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



10.0144, 0.2513, 0.2142



10.0144, 0.4663, 0.3961



10.0144, 0.2209, 0.3740

Complementary

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



10.0144, 0.2513, 0.2142



23.1780, 0.3608, 0.4281

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.



10.0144, 0.2848, 0.4499



10.0144, 0.2513, 0.2142



10.0144, 0.4273, 0.4486

Square

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



10.0144, 0.2513, 0.2142



10.0144, 0.4603, 0.3380



10.0144, 0.3604, 0.4756



10.0144, 0.1842, 0.2917

Rectangle

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



10.0144, 0.2513, 0.2142



10.0144, 0.3807, 0.2673



10.0144, 0.3604, 0.4756



10.0144, 0.2397, 0.4025

Sweetspot

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



10.0148, 0.2513, 0.2142



34.8682, 0.2969, 0.2984



19.4831, 0.2570, 0.3142



7.6427, 0.2954, 0.2955



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



10.0148, 0.2513, 0.2142



14.0496, 0.2346, 0.1848



11.6136, 0.2878, 0.2251



4.9248, 0.3012, 0.3066



1.8231, 0.1574, 0.0641



0.0159, 0.1853, 0.0795

Inverse Universe

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



12.9418, 0.3289, 0.2460



20.0774, 0.3333, 0.2287



21.3424, 0.3288, 0.4394



5.1167, 0.3158, 0.3105



6.1548, 0.3601, 0.1757



0.0425, 0.3387, 0.1640

Previews

White Background



This preview shows how the Yxy color 10.0144, 0.2513, 0.2142 looks on a white background.

Color Contrast Check

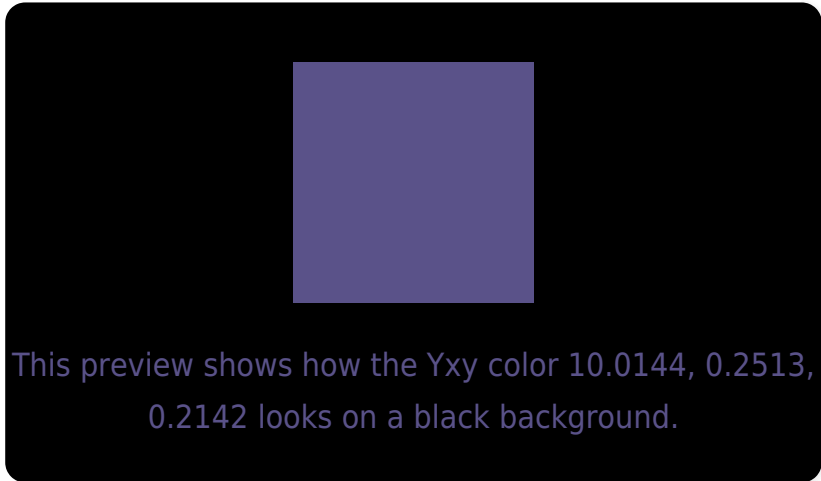
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

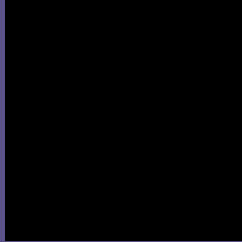
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0144, 0.2513, 0.2142

Background



This preview shows how black text looks on a background with the Yxy color 10.0144, 0.2513, 0.2142.



This preview shows how white text looks on a background with the Yxy color 10.0144, 0.2513, 0.2142.

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

10.0144, 0.2513, 0.2142

Protanopia

9.9983, 0.2241, 0.2099

Deuteranopia

10.1156, 0.2288, 0.2241



Tritanopia

9.9435, 0.2875, 0.3090

Trichromacy



Original Color

10.0144, 0.2513, 0.2142

Protanomaly

9.9269, 0.2331, 0.2110

Deuteranomaly

9.9290, 0.2359, 0.2194

Tritanomaly

9.8711, 0.2732, 0.2699

Monochromacy



Original Color

10.0144, 0.2513, 0.2142

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.2863, 0.2886, 0.2825

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0144, 0.2513, 0.2142 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(90, 82, 137) looks like.

```
.text, #text, p{  
  color:rgb(90, 82, 137)  
}
```

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(90, 82, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 82, 137) }
```

Border

The CSS property to change the border of an element to Yxy 10.0144, 0.2513, 0.2142 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(90, 82, 137) }
```

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

```
.border{ border-color:rgb(90, 82, 137) }
```

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

Here you see how a box with a 4 pixel rgb(90, 82, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 82, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 82, 137);  
box-shadow:4px 4px 4px 4px rgb(90, 82,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0144, 0.2513, 0.2142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 82, 137) }
```

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

```
.background{ background-color: rgb(90, 82,  
137) }
```

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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