

Converting Colors

$Y_{xy}(10.9963, 0.2490, 0.2127)$

Have a look what the booklet for
Yxy(10.9963, 0.2490, 0.2127)
contains.

Yxy(10.9963, 0.2490, 0.2127)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.9963, 0.2490, 0.2127)

Conversions

Conversions Part 1

Format	Color
Hex	5D5690
RGB	93, 86, 144
RGB Percent	36%, 34%, 56%
CMY	0.6354, 0.6627, 0.4353
CMYK	0.35, 0.40, 0.00, 0.44
HSL	247°, 25%, 45%
HSV	247°, 40%, 56%
XYZ	12.8730, 10.9963, 27.8294
YIQ	94.7050, -14.4460, 19.5220

Conversions

Conversions Part 2

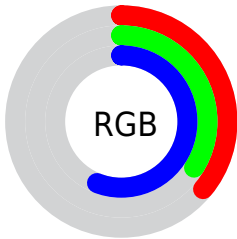
Format	Color
R_{YB}	93, 86, 144
Decimal	6117008
CIE _{Lab}	39.57, 17.23, -31.11
CIE _{LCh}	40, 35.559, 298.981
Yxy	10.9963, 0.2490, 0.2127
Android (android.graphics.Color)	4284307088 (0xFF5D5690)
YUV	94.7050, 24.3024, -1.4953
Hunter-Lab	33.1607, 11.2625, -26.5454

Details

The Yxy color **10.9963, 0.2490, 0.2127** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.9414, 0.3628, 0.4282**, and the grayscale version is **11.3123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.7053, 0.2655, 0.2398**, and **2.8898, 0.2168, 0.1664** is the 20% darker color. If you saturate the color by 10%, you get **8.3167, 0.2297, 0.1792**, and if you desaturate by 10%, it is **14.2497, 0.2673, 0.2453**.

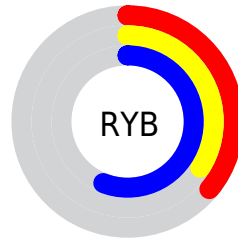
Distribution



Red (36%)

Green (34%)

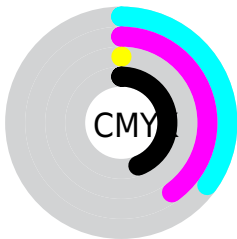
Blue (56%)



Red (36%)

Yellow (34%)

Blue (56%)

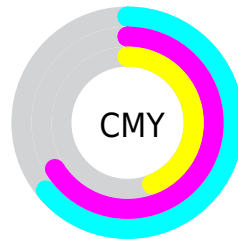


Cyan (35%)

Magenta (40%)

Yellow (0%)

Black (44%)



Cyan (64%)

Magenta (66%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.9963, 0.2490, 0.2127 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 10.9963, 0.2490, 0.2127 by changing the saturation by 10% instead.

■ 10.9963, 0.2490,
0.2127

■ 10.9963, 0.2490,
0.2127

■ 197.6422, 0.2882,
0.2796

■ 6.0644, 0.2359,
0.1929

■ 27.6533, 0.2655,
0.2393

■ 2.8842, 0.2167,
0.1657

■ 40.1472, 0.2709,
0.2486

■ 1.0716, 0.1867,
0.1271

■ 55.9305, 0.2753,
0.2562

■ 0.0000, 0.1242,
0.0000

■ 75.3876, 0.2789,
0.2624

■ 0.0000, 0.0000,
0.0000

■ 98.9029, 0.2818,
0.2677

126.8609, 0.2843,

0.2723

159.6458, 0.2864,
0.2762

■ 10.9963, 0.2490,
0.2127

■ 10.9963, 0.2490,
0.2127

■ 8.3167, 0.2297,
0.1792

■ 14.2497, 0.2673,
0.2453

■ 6.1762, 0.2103,
0.1465

■ 18.1062, 0.2841,
0.2758

■ 4.5384, 0.1920,
0.1168

■ 22.5949, 0.2992,
0.3035

■ 3.3617, 0.1761,
0.0921

■ 27.7424, 0.3124,
0.3284

■ 2.5980, 0.1638,
0.0744

■ 33.5738, 0.3239,
0.3503

■ 2.1351, 0.1553,
0.0629

■ 40.1129, 0.3337,
0.3695

■ 47.3824, 0.3422,
0.3862

■ 55.4040, 0.3495,
0.4008

■ 64.1984, 0.3557,
0.4134

Harmonies

Analogous

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



10.9963, 0.1986, 0.2106



10.9963, 0.2490, 0.2127



10.9963, 0.3240, 0.2380

Triad

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



10.9963, 0.2490, 0.2127



10.9963, 0.4685, 0.3951



10.9963, 0.2211, 0.3767

Complementary

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



10.9963, 0.2490, 0.2127



25.9414, 0.3628, 0.4282

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.



10.9963, 0.2862, 0.4529



10.9963, 0.2490, 0.2127



10.9963, 0.4298, 0.4487

Square

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



10.9963, 0.2490, 0.2127



10.9963, 0.4613, 0.3365



10.9963, 0.3626, 0.4773



10.9963, 0.1834, 0.2929

Rectangle

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



10.9963, 0.2490, 0.2127



10.9963, 0.3795, 0.2655



10.9963, 0.3626, 0.4773



10.9963, 0.2403, 0.4056

Sweetspot

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



10.9967, 0.2490, 0.2127



38.1951, 0.2964, 0.2983



21.9510, 0.2569, 0.3159



8.5467, 0.2947, 0.2952



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



10.9967, 0.2490, 0.2127



15.2208, 0.2322, 0.1835



12.7925, 0.2862, 0.2239



5.2840, 0.3007, 0.3064



1.8654, 0.1556, 0.0631



0.0227, 0.1796, 0.0763

Inverse Universe

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



14.3949, 0.3269, 0.2432



22.0826, 0.3307, 0.2259



23.8220, 0.3299, 0.4399



5.5001, 0.3154, 0.3099



6.4942, 0.3527, 0.1717



0.0641, 0.3354, 0.1621

Previews

White Background



This preview shows how the Yxy color 10.9963, 0.2490, 0.2127 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 10.9963, 0.2490, 0.2127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

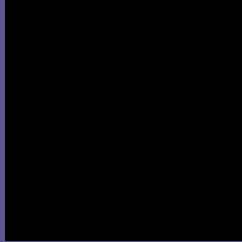
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.9963, 0.2490, 0.2127

Background



This preview shows how black text looks on a background with the Yxy color 10.9963, 0.2490, 0.2127.



This preview shows how white text looks on a background with the Yxy color 10.9963, 0.2490, 0.2127.

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

10.9963, 0.2490, 0.2127

Protanopia

10.9917, 0.2233, 0.2086

Deuteranopia

11.0771, 0.2268, 0.2218



Tritanopia

11.0285, 0.2871, 0.3121

Trichromacy



Original Color

10.9963, 0.2490, 0.2127

Protanomaly

10.9136, 0.2318, 0.2097

Deuteranomaly

10.9152, 0.2344, 0.2177

Tritanomaly

10.9649, 0.2722, 0.2721

Monochromacy



Original Color

10.9963, 0.2490, 0.2127

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2262, 0.2868, 0.2818

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9963, 0.2490, 0.2127 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(93, 86, 144) looks like.

```
.text, #text, p{  
    color:rgb(93, 86, 144)  
}
```

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(93, 86, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 86, 144) }
```

Border

The CSS property to change the border of an element to Yxy 10.9963, 0.2490, 0.2127 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(93, 86, 144) }
```

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

```
.border{ border-color:rgb(93, 86, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 86, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 86, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 86, 144);  
box-shadow:4px 4px 4px 4px rgb(93, 86,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9963, 0.2490, 0.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 86, 144) }
```

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

```
.background{ background-color: rgb(93, 86,  
144) }
```

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