

Converting Colors

$Y_{xy}(21.2413, 0.2631, 0.2153)$

Have a look what the booklet for
Yxy(21.2413, 0.2631, 0.2153)
contains.

Yxy(21.2413, 0.2631, 0.2153)	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(21.2413, 0.2631, 0.2153)

Conversions

Conversions Part 1

Format	Color
Hex	8B72BE
RGB	139, 114, 190
RGB Percent	55%, 45%, 75%
CMY	0.4550, 0.5529, 0.2548
CMYK	0.27, 0.40, 0.00, 0.25
HSL	260°, 37%, 60%
HSV	260°, 40%, 75%
XYZ	25.9572, 21.2413, 51.4606
YIQ	130.1390, -9.4960, 28.9360

Conversions

Conversions Part 2

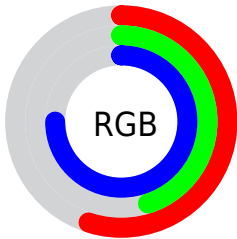
Format	Color
R _Y B	139, 114, 190
Decimal	9138878
CIE Lab	53.21, 26.07, -36.46
CIE LCh	53, 44.817, 305.565
Yxy	21.2413, 0.2631, 0.2153
Android (android.graphics.Color)	4287328958 (0xFF8B72BE)
YUV	130.1390, 29.5115, 7.7711
Hunter-Lab	46.0883, 19.8778, -33.9394

Details

The Yxy color **21.2413, 0.2631, 0.2153** is a dark color, and the websafe version is hex **9966CC**, and the color name is **middle blue purple**. A complement of this color would be **46.0586, 0.3492, 0.4349**, and the grayscale version is **22.2707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4572, 0.2742, 0.2366**, and **7.7002, 0.2443, 0.1822** is the 20% darker color. If you saturate the color by 10%, you get **16.3560, 0.2472, 0.1836**, and if you desaturate by 10%, it is **27.1470, 0.2778, 0.2466**.

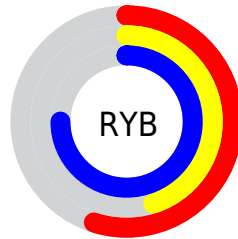
Distribution



Red (55%)

Green (45%)

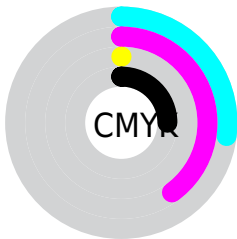
Blue (75%)



Red (55%)

Yellow (45%)

Blue (75%)

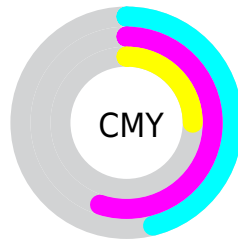


Cyan (27%)

Magenta (40%)

Yellow (0%)

Black (25%)



Cyan (46%)


Magenta (55%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2413, 0.2631, 0.2153 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 21.2413, 0.2631, 0.2153 by changing the saturation by 10% instead.


 21.2413, 0.2631,
0.2153

 21.2413, 0.2631,
0.2153


258.5581, 0.2916,
0.2743


 13.3005, 0.2548,
0.2002


 45.4888, 0.2743,
0.2371

 7.6358, 0.2435,
0.1809


 62.5642, 0.2783,
0.2452

 3.8628, 0.2272,
0.1555

 83.4534, 0.2815,
0.2520

 1.5971, 0.2026,
0.1212

 108.5406, 0.2842,
0.2578

 0.3557, 0.1657,
0.0601

138.2103, 0.2865,
0.2628

 0.0000, 0.0000,
0.0000

172.8468, 0.2884,

0.2671

212.8346, 0.2901,
0.2709

■ 21.2413, 0.2631,
0.2153

■ 21.2413, 0.2631,
0.2153

■ 16.3560, 0.2472,
0.1836

■ 27.1470, 0.2778,
0.2466

■ 12.4287, 0.2306,
0.1528

■ 34.1255, 0.2910,
0.2763

■ 9.3938, 0.2140,
0.1250


■ 42.2286, 0.3027,
0.3039

■ 7.1759, 0.1985,
0.1017

■ 51.5041, 0.3127,
0.3290


■ 5.6867, 0.1849,
0.0845

■ 61.9967, 0.3213,
0.3515

 4.7558, 0.1737,
0.0730

 73.7490, 0.3286,
0.3715

 86.8013, 0.3348,
0.3892

 93.9521, 0.3420,
0.3949

 96.2783, 0.3506,
0.3931

Harmonies

Analogous

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



21.2413, 0.2061, 0.2077



21.2413, 0.2631, 0.2153



21.2413, 0.3426, 0.2454

Triad

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



21.2413, 0.2631, 0.2153



21.2413, 0.4650, 0.4083



21.2413, 0.2091, 0.3575

Complementary

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



21.2413, 0.2631, 0.2153



46.0586, 0.3492, 0.4349

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.



21.2413, 0.2696, 0.4410



21.2413, 0.2631, 0.2153



21.2413, 0.4178, 0.4594

Square

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



21.2413, 0.2631, 0.2153



21.2413, 0.4692, 0.3493



21.2413, 0.3461, 0.4791



21.2413, 0.1780, 0.2768

Rectangle

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



21.2413, 0.2631, 0.2153



21.2413, 0.3979, 0.2754



21.2413, 0.3461, 0.4791



21.2413, 0.2263, 0.3875

Sweetspot

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



21.2421, 0.2631, 0.2153



73.1062, 0.3003, 0.2981



34.5522, 0.2526, 0.2922



15.6144, 0.2988, 0.2945



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.2421, 0.2631, 0.2153



30.6201, 0.2492, 0.1874



24.9961, 0.3021, 0.2272



9.3734, 0.3034, 0.3056



3.1999, 0.1749, 0.0737



0.1617, 0.2032, 0.0893

Inverse Universe

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



25.7061, 0.3456, 0.2608



40.0109, 0.3556, 0.2465



42.6375, 0.3177, 0.4463



9.6415, 0.3186, 0.3137



8.3237, 0.4239, 0.2109



0.3376, 0.3935, 0.1942

Previews

White Background



This preview shows how the Yxy color 21.2413, 0.2631, 0.2153 looks on a white background.

Color Contrast Check

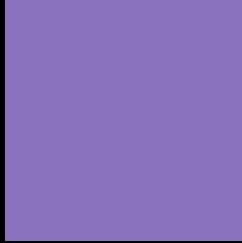
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.2413, 0.2631, 0.2153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

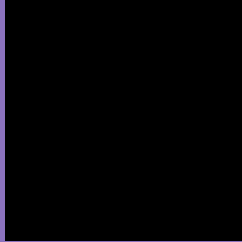
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2413, 0.2631, 0.2153

Background



This preview shows how black text looks on a background with the Yxy color 21.2413, 0.2631, 0.2153.



This preview shows how white text looks on a background with the Yxy color 21.2413, 0.2631, 0.2153.

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

21.2413, 0.2631, 0.2153

Protanopia

21.5001, 0.2259, 0.2121

Deuteranopia

21.2763, 0.2343, 0.2287



Tritanopia

21.3664, 0.3053, 0.3113

Trichromacy



Original Color

21.2413, 0.2631, 0.2153

Protanomaly

21.2377, 0.2373, 0.2123

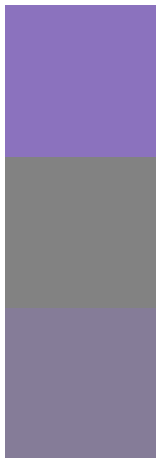
Deuteranomaly

21.1947, 0.2439, 0.2237

Tritanomaly

21.3059, 0.2890, 0.2721

Monochromacy



Original Color

21.2413, 0.2631, 0.2153

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.6688, 0.2931, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2413, 0.2631, 0.2153 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(139, 114, 190)` looks like.

```
.text, #text, p{  
    color:rgb(139, 114, 190)  
}
```

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(139, 114, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 114, 190) }
```

Border

The CSS property to change the border of an element to Yxy 21.2413, 0.2631, 0.2153 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(139, 114, 190) }
```

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

```
.border{ border-color:rgb(139, 114, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 114, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 114, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 114, 190);  
box-shadow:4px 4px 4px 4px rgb(139, 114,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2413, 0.2631, 0.2153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 114, 190) }
```

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

```
.background{ background-color: rgb(139,  
114, 190) }
```

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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