

Converting Colors

$Y_{xy}(21.1598, 0.2443, 0.2067)$

Have a look what the booklet for
Yxy(21.1598, 0.2443, 0.2067)
contains.

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Color

Yxy(21.1598, 0.2443, 0.2067)

Conversions

Conversions Part 1

Format	Color
Hex	7D75C6
RGB	125, 117, 198
RGB Percent	49%, 46%, 78%
CMY	0.5099, 0.5411, 0.2235
CMYK	0.37, 0.41, 0.00, 0.22
HSL	246°, 42%, 62%
HSV	246°, 41%, 78%
XYZ	25.0089, 21.1598, 56.2009
YIQ	128.6260, -21.2330, 26.8870

Conversions

Conversions Part 2

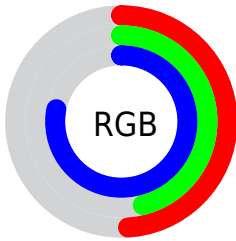
Format	Color
R _Y B	125, 117, 198
Decimal	8222150
CIE Lab	53.12, 22.45, -41.25
CIE LCh	53, 46.966, 298.554
Yxy	21.1598, 0.2443, 0.2067
Android (android.graphics.Color)	4286412230 (0xFF7D75C6)
YUV	128.6260, 34.2014, -3.1800
Hunter-Lab	45.9998, 16.5462, -40.2386

Details

The Yxy color $21.1598, 0.2443, 0.2067$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $52.6349, 0.3663, 0.4317$, and the grayscale version is $21.6986, 0.3127, 0.3290$.

A 20% lighter version of the original color is $45.2992, 0.2592, 0.2299$, and $7.6476, 0.2194, 0.1706$ is the 20% darker color. If you saturate the color by 10%, you get $15.7987, 0.2241, 0.1722$, and if you desaturate by 10%, it is $27.7400, 0.2637, 0.2405$.

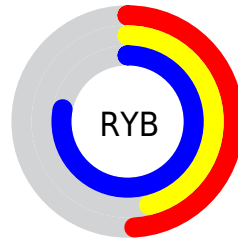
Distribution



Red (49%)

Green (46%)

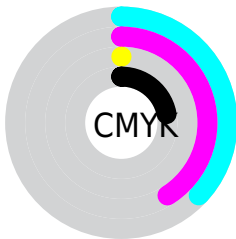
Blue (78%)



Red (49%)

Yellow (46%)

Blue (78%)

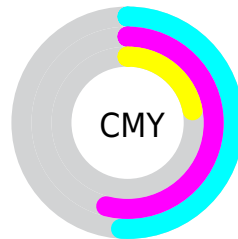


Cyan (37%)

Magenta (41%)

Yellow (0%)

Black (22%)



Cyan (51%)

Magenta (54%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.1598, 0.2443, 0.2067 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 21.1598, 0.2443, 0.2067 by changing the saturation by 10% instead.

■ 21.1598, 0.2443,
0.2067

■ 21.1598, 0.2443,
0.2067

258.1265, 0.2826,
0.2699

■ 13.2409, 0.2336,
0.1908

■ 45.3533, 0.2591,
0.2299

■ 7.5946, 0.2192,
0.1705

■ 62.3967, 0.2644,
0.2386

■ 3.8367, 0.1993,
0.1441

■ 83.2504, 0.2688,
0.2459

■ 1.5826, 0.1704,
0.1094

108.2987, 0.2725,
0.2521

■ 0.3458, 0.1292,
0.0509

137.9261, 0.2756,
0.2575

■ 0.0000, 0.0000,
0.0000

172.5169, 0.2783,

0.2622

212.4556, 0.2806,
0.2663

■ 21.1598, 0.2443,
0.2067

■ 21.1598, 0.2443,
0.2067

■ 15.7987, 0.2241,
0.1722

■ 27.7400, 0.2637,
0.2405

■ 11.5793, 0.2042,
0.1389

■ 35.6056, 0.2815,
0.2722

■ 8.4190, 0.1858,
0.1093

■ 44.8208, 0.2975,
0.3011

■ 6.2232, 0.1705,
0.0857

■ 55.4450, 0.3115,
0.3268

■ 4.8799, 0.1594,
0.0699

■ 67.5338, 0.3237,
0.3494

■ 4.2208, 0.1531,
0.0617

■ 81.1400, 0.3342,
0.3691

■ 95.9158, 0.3432,
0.3856

■ 96.8579, 0.3466,
0.3850

Harmonies

Analogous

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



21.1598, 0.1921, 0.2046



21.1598, 0.2443, 0.2067



21.1598, 0.3231, 0.2328

Triad

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



21.1598, 0.2443, 0.2067



21.1598, 0.4775, 0.3963



21.1598, 0.2165, 0.3810

Complementary

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



21.1598, 0.2443, 0.2067



52.6349, 0.3663, 0.4317

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.



21.1598, 0.2850, 0.4625



21.1598, 0.2443, 0.2067



21.1598, 0.4364, 0.4537

Square

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



21.1598, 0.2443, 0.2067



21.1598, 0.4699, 0.3351



21.1598, 0.3655, 0.4864



21.1598, 0.1769, 0.2911

Rectangle

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



21.1598, 0.2443, 0.2067



21.1598, 0.3821, 0.2613



21.1598, 0.3655, 0.4864



21.1598, 0.2367, 0.4120

Sweetspot

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



21.1606, 0.2443, 0.2067



77.1433, 0.2956, 0.2976



45.2379, 0.2556, 0.3192



16.0275, 0.2935, 0.2939



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



21.1606, 0.2443, 0.2067



28.9774, 0.2265, 0.1762



24.7239, 0.2821, 0.2185



10.3365, 0.2998, 0.3052



2.7619, 0.1537, 0.0620



0.1482, 0.1656, 0.0686

Inverse Universe

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



28.4537, 0.3257, 0.2379



43.6935, 0.3291, 0.2200



48.2364, 0.3327, 0.4441



10.7980, 0.3152, 0.3084



9.9199, 0.3470, 0.1685



0.4750, 0.3409, 0.1652

Previews

White Background



This preview shows how the Yxy color 21.1598, 0.2443, 0.2067 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 21.1598, 0.2443, 0.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

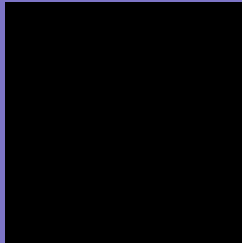
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1598, 0.2443, 0.2067

Background



This preview shows how black text looks on a background with the Yxy color 21.1598, 0.2443, 0.2067.

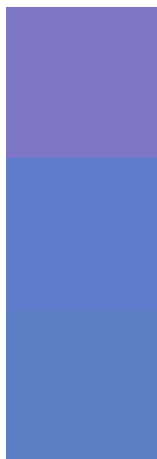


This preview shows how white text looks on a background with the Yxy color 21.1598, 0.2443, 0.2067.

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

21.1598, 0.2443, 0.2067

Protanopia

21.2617, 0.2200, 0.2040

Deuteranopia

21.3884, 0.2221, 0.2172



Tritanopia

21.3035, 0.2828, 0.3105

Trichromacy



Original Color

21.1598, 0.2443, 0.2067

Protanomaly

21.0648, 0.2280, 0.2039

Deuteranomaly

21.0807, 0.2286, 0.2118

Tritanomaly

21.0223, 0.2678, 0.2668

Monochromacy



Original Color

21.1598, 0.2443, 0.2067

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5895, 0.2857, 0.2795

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1598, 0.2443, 0.2067 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(125, 117, 198)` looks like.

```
.text, #text, p{  
    color:rgb(125, 117, 198)  
}
```

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(125, 117, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 117, 198) }
```

Border

The CSS property to change the border of an element to Yxy 21.1598, 0.2443, 0.2067 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(125, 117, 198) }
```

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

```
.border{ border-color:rgb(125, 117, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 117, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 117, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 117, 198);  
box-shadow:4px 4px 4px 4px rgb(125, 117,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1598, 0.2443, 0.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 117, 198) }
```

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

```
.background{ background-color: rgb(125,  
117, 198) }
```

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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