

Converting Colors

$Y_{xy}(19.9663, 0.2367, 0.2037)$

Have a look what the booklet for
Yxy(19.9663, 0.2367, 0.2037)
contains.

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Color

Yxy(19.8918, 0.2366, 0.2032)

Conversions

Conversions Part 1

Format	Color
Hex	7373C4
RGB	115, 115, 196
RGB Percent	45%, 45%, 77%
CMY	0.5491, 0.5490, 0.2314
CMYK	0.41, 0.41, 0.00, 0.23
HSL	240°, 41%, 61%
HSV	240°, 41%, 77%
XYZ	23.1614, 19.8918, 54.8395
YIQ	124.2340, -26.0010, 25.1910

Conversions

Conversions Part 2

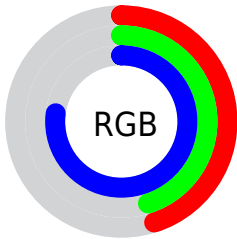
Format	Color
R _Y B	115, 115, 196
Decimal	7566276
CIE Lab	51.71, 20.43, -42.38
CIE LCh	52, 47.045, 295.741
Yxy	19.8918, 0.2366, 0.2032
Android (android.graphics.Color)	4285756356 (0xFF7373C4)
YUV	124.2340, 35.3806, -8.0982
Hunter-Lab	44.6002, 14.6467, -41.6816

Details

The Yxy color **19.8918, 0.2366, 0.2032** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **52.4332, 0.3738, 0.4300**, and the grayscale version is **20.1237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.2753, 0.2531, 0.2276**, and **6.9594, 0.2087, 0.1647** is the 20% darker color. If you saturate the color by 10%, you get **14.6988, 0.2152, 0.1678**, and if you desaturate by 10%, it is **26.3181, 0.2576, 0.2379**.

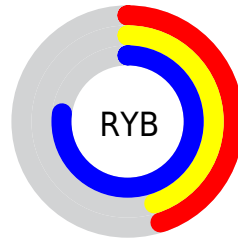
Distribution



Red (45%)

Green (45%)

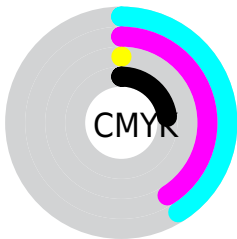
Blue (77%)



Red (45%)

Yellow (45%)

Blue (77%)

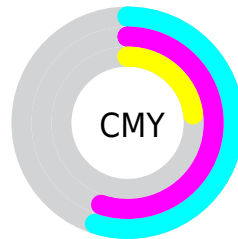


Cyan (41%)

Magenta (41%)

Yellow (0%)

Black (23%)



Cyan (55%)

Magenta (55%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8918, 0.2366, 0.2032 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 19.8918, 0.2366, 0.2032 by changing the saturation by 10% instead.

■ 19.8918, 0.2366,
0.2032

■ 19.8918, 0.2366,
0.2032

■ 251.3288, 0.2792,
0.2688

■ 12.3164, 0.2247,
0.1865

■ 43.2357, 0.2531,
0.2274

■ 6.9596, 0.2087,
0.1653

■ 59.7730, 0.2590,
0.2364

■ 3.4368, 0.1867,
0.1377

■ 80.0664, 0.2639,
0.2440

■ 1.3638, 0.1551,
0.1016

■ 104.5003, 0.2680,
0.2504

■ 0.1898, 0.1105,
0.0309

■ 133.4591, 0.2714,
0.2560

■ 0.0000, 0.0000,
0.0000

167.3272, 0.2744,

0.2608

206.4889, 0.2770,
0.2651

■ 19.8918, 0.2366,
0.2032

■ 19.8918, 0.2366,
0.2032

■ 14.6988, 0.2152,
0.1678

■ 26.3181, 0.2576,
0.2379

■ 10.6581, 0.1947,
0.1339

■ 34.0473, 0.2773,
0.2704

■ 7.6827, 0.1767,
0.1042


■ 43.1465, 0.2950,
0.2998


■ 5.6722, 0.1629,
0.0813

■ 53.6774, 0.3108,
0.3258

■ 4.5069, 0.1541,
0.0668

■ 65.6981, 0.3245,
0.3484

 3.9872, 0.1500,
0.0600

 79.2634, 0.3363,
0.3680

 94.4254, 0.3465,
0.3848

 96.7653, 0.3478,
0.3870

Harmonies

Analogous

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



19.8918, 0.1865, 0.2034



19.8918, 0.2366, 0.2032



19.8918, 0.3148, 0.2276

Triad

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



19.8918, 0.2366, 0.2032



19.8918, 0.4825, 0.3912



19.8918, 0.2198, 0.3913

Complementary

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



19.8918, 0.2366, 0.2032



52.4332, 0.3738, 0.4300

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.



19.8918, 0.2917, 0.4712



19.8918, 0.2366, 0.2032



19.8918, 0.4441, 0.4508

Square

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



19.8918, 0.2366, 0.2032



19.8918, 0.4697, 0.3291



19.8918, 0.3737, 0.4888



19.8918, 0.1767, 0.2976

Rectangle

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



19.8918, 0.2366, 0.2032



19.8918, 0.3752, 0.2554



19.8918, 0.3737, 0.4888



19.8918, 0.2413, 0.4225

Sweetspot

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



19.8925, 0.2366, 0.2032



76.6652, 0.2936, 0.2974



47.0445, 0.2574, 0.3308



15.9162, 0.2913, 0.2937



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.



19.8925, 0.2366, 0.2032



27.0935, 0.2163, 0.1697



23.1243, 0.2734, 0.2147



9.7487, 0.2983, 0.3052



2.5624, 0.1500, 0.0600



0.1110, 0.1501, 0.0602

Inverse Universe

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



25.2289, 0.4175, 0.3293



38.1151, 0.4559, 0.3294



47.8660, 0.3396, 0.4428



10.0780, 0.3289, 0.3290



7.5409, 0.6400, 0.3299



0.3258, 0.6398, 0.3298

Previews

White Background



This preview shows how the Yxy color 19.8918, 0.2366, 0.2032 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 19.8918, 0.2366, 0.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

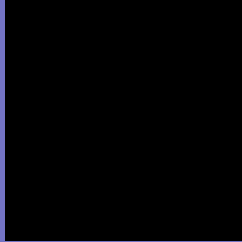
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8918, 0.2366, 0.2032

Background



This preview shows how black text looks on a background with the Yxy color 19.8918, 0.2366, 0.2032.

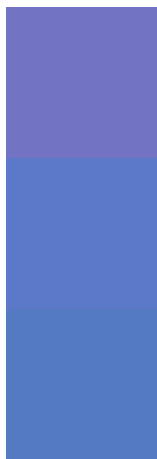


This preview shows how white text looks on a background with the Yxy color 19.8918, 0.2366, 0.2032.

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

19.8918, 0.2366, 0.2032

Protanopia

19.8741, 0.2170, 0.1999

Deuteranopia

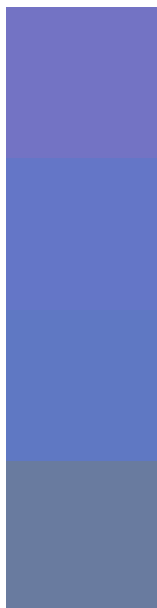
19.9458, 0.2173, 0.2117



Tritanopia

19.9826, 0.2722, 0.3097

Trichromacy



Original Color

19.8918, 0.2366, 0.2032

Protanomaly

19.7897, 0.2237, 0.2009

Deuteranomaly

19.8060, 0.2231, 0.2076

Tritanomaly

19.6724, 0.2575, 0.2643

Monochromacy



Original Color

19.8918, 0.2366, 0.2032

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9417, 0.2817, 0.2777

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8918, 0.2366, 0.2032 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(115, 115, 196)` looks like.

```
.text, #text, p{  
    color:rgb(115, 115, 196)  
}
```

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(115, 115, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 115, 196) }
```

Border

The CSS property to change the border of an element to Yxy 19.8918, 0.2366, 0.2032 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(115, 115, 196) }
```

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

```
.border{ border-color:rgb(115, 115, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 115, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 115, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 115, 196); box-shadow:4px 4px 4px 4px rgb(115, 115, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8918, 0.2366, 0.2032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 115, 196) }
```

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

```
.background{ background-color: rgb(115,  
115, 196) }
```

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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