

Converting Colors

$Y_{xy}(19.6520, 0.2708, 0.2518)$

Have a look what the booklet for
Yxy(19.6520, 0.2708, 0.2518)
contains.

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Color

Yxy(19.5779, 0.2709, 0.2509)

Conversions

Conversions Part 1

Format	Color
Hex	7B75A3
RGB	123, 117, 163
RGB Percent	48%, 46%, 64%
CMY	0.5177, 0.5411, 0.3608
CMYK	0.25, 0.28, 0.00, 0.36
HSL	248°, 20%, 55%
HSV	248°, 28%, 64%
XYZ	21.1385, 19.5779, 37.3143
YIQ	124.0380, -11.1900, 15.5780

Conversions

Conversions Part 2

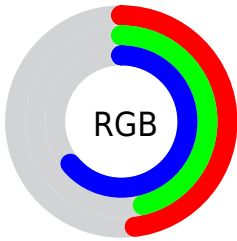
Format	Color
R_{YB}	123, 117, 163
Decimal	8091043
CIE _{Lab}	51.36, 12.60, -23.83
CIE _{LCh}	51, 26.956, 297.878
Yxy	19.5779, 0.2709, 0.2509
Android (android.graphics.Color)	4286281123 (0xFF7B75A3)
YUV	124.0380, 19.2083, -0.9103
Hunter-Lab	44.2469, 7.8444, -19.0275

Details

The Yxy color $19.5779, 0.2709, 0.2509$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $34.6490, 0.3482, 0.3992$, and the grayscale version is $20.1067, 0.3127, 0.3290$.

A 20% lighter version of the original color is $42.6680, 0.2803, 0.2673$, and $6.8204, 0.2538, 0.2235$ is the 20% darker color. If you saturate the color by 10%, you get $15.1339, 0.2528, 0.2184$, and if you desaturate by 10%, it is $24.8364, 0.2874, 0.2812$.

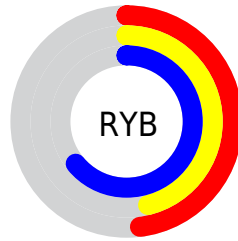
Distribution



Red (48%)

Green (46%)

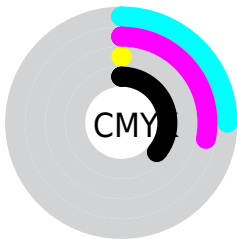
Blue (64%)



Red (48%)

Yellow (46%)

Blue (64%)

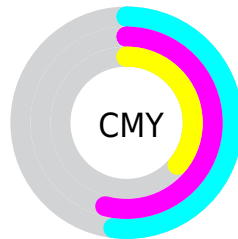


Cyan (25%)

Magenta (28%)

Yellow (0%)

Black (36%)



Cyan (52%)

Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5779, 0.2709, 0.2509 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 19.5779, 0.2709, 0.2509 by changing the saturation by 10% instead.

■ 19.5779, 0.2709,
0.2509

■ 19.5779, 0.2709,
0.2509

■ 249.6208, 0.2949,
0.2936

■ 12.0886, 0.2637,
0.2390

■ 42.7084, 0.2805,
0.2673

■ 6.8040, 0.2537,
0.2230

■ 59.1183, 0.2838,
0.2732

■ 3.3399, 0.2387,
0.2004

■ 79.2706, 0.2865,
0.2781

■ 1.3116, 0.2148,
0.1666

■ 103.5496, 0.2888,
0.2822

■ 0.1502, 0.1659,
0.0553

■ 132.3397, 0.2907,
0.2857

■ 0.0000, 0.0000,
0.0000

166.0254, 0.2923,

0.2887

204.9909, 0.2937,
0.2913

■ 19.5779, 0.2709,
0.2509

■ 19.5779, 0.2709,
0.2509

■ 15.1339, 0.2528,
0.2184

■ 24.8364, 0.2874,
0.2812

■ 11.4612, 0.2336,
0.1847

■ 30.9449, 0.3021,
0.3087

■ 8.5163, 0.2140,
0.1515

■ 37.9397, 0.3149,
0.3332

■ 6.2504, 0.1954,
0.1210

■ 45.8544, 0.3260,
0.3547

■ 4.6086, 0.1789,
0.0953

■ 54.7205, 0.3355,
0.3736

■ 3.5272, 0.1658,
0.0765

■ 64.5684, 0.3436,
0.3900

■ 2.8981, 0.1567,
0.0648

■ 75.4270, 0.3506,
0.4042

■ 2.8057, 0.1554,
0.0630

■ 87.3239, 0.3565,
0.4166

■ 94.6035, 0.3642,
0.4201

Harmonies

Analogous

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



19.5779, 0.2366, 0.2515



19.5779, 0.2709, 0.2509



19.5779, 0.3192, 0.2676

Triad

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



19.5779, 0.2709, 0.2509



19.5779, 0.4124, 0.3755



19.5779, 0.2561, 0.3609

Complementary

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



19.5779, 0.2709, 0.2509



34.6490, 0.3482, 0.3992

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.



19.5779, 0.3002, 0.4037



19.5779, 0.2709, 0.2509



19.5779, 0.3914, 0.4076

Square

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



19.5779, 0.2709, 0.2509



19.5779, 0.4047, 0.3361



19.5779, 0.3498, 0.4204



19.5779, 0.2284, 0.3107

Rectangle

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



19.5779, 0.2709, 0.2509



19.5779, 0.3535, 0.2866



19.5779, 0.3498, 0.4204



19.5779, 0.2694, 0.3771

Sweetspot

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



19.5787, 0.2709, 0.2509



55.4990, 0.3021, 0.3088



30.7556, 0.2718, 0.3201



12.0853, 0.3001, 0.3050



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.5787, 0.2709, 0.2509



29.7944, 0.2594, 0.2302



21.4222, 0.2956, 0.2562



6.9020, 0.3006, 0.3059



2.1924, 0.1559, 0.0632



0.0581, 0.1791, 0.0760

Inverse Universe

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



22.9461, 0.3227, 0.2687



36.8890, 0.3254, 0.2550



32.5995, 0.3257, 0.4045



7.1863, 0.3156, 0.3097



7.5700, 0.3559, 0.1735



0.1632, 0.3416, 0.1656

Previews

White Background



This preview shows how the Yxy color 19.5779, 0.2709, 0.2509 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 19.5779, 0.2709, 0.2509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

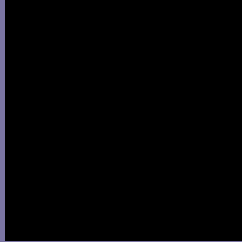
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.5779, 0.2709, 0.2509

Background



This preview shows how black text looks on a background with the Yxy color 19.5779, 0.2709, 0.2509.



This preview shows how white text looks on a background with the Yxy color 19.5779, 0.2709, 0.2509.

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

19.5779, 0.2709, 0.2509

Protanopia

19.6791, 0.2550, 0.2506

Deuteranopia

19.4863, 0.2611, 0.2554



Tritanopia

19.6413, 0.2947, 0.3103

Trichromacy



Original Color

19.5779, 0.2709, 0.2509

Protanomaly

19.7270, 0.2605, 0.2513

Deuteranomaly

19.5153, 0.2649, 0.2544

Tritanomaly

19.6103, 0.2855, 0.2874

Monochromacy



Original Color

19.5779, 0.2709, 0.2509

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7948, 0.2974, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5779, 0.2709, 0.2509 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(123, 117, 163)` looks like.

```
.text, #text, p{  
    color:rgb(123, 117, 163)  
}
```

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(123, 117, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 117, 163) }
```

Border

The CSS property to change the border of an element to Yxy 19.5779, 0.2709, 0.2509 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(123, 117, 163) }
```

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

```
.border{ border-color:rgb(123, 117, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 117, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 117, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 117, 163);  
box-shadow:4px 4px 4px 4px rgb(123, 117,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5779, 0.2709, 0.2509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 117, 163) }
```

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

```
.background{ background-color: rgb(123,  
117, 163) }
```

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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