

Converting Colors

$Y_{xy}(19.4611, 0.2736, 0.2702)$

Have a look what the booklet for
Yxy(19.4611, 0.2736, 0.2702)
contains.

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Color

Yxy(19.4459, 0.2733, 0.2702)

Conversions

Conversions Part 1

Format	Color
Hex	747899
RGB	116, 120, 153
RGB Percent	45%, 47%, 60%
CMY	0.5451, 0.5294, 0.4000
CMYK	0.24, 0.22, 0.00, 0.40
HSL	234°, 15%, 53%
HSV	234°, 24%, 60%
XYZ	19.6690, 19.4459, 32.8536
YIQ	122.5660, -12.9770, 9.4150

Conversions

Conversions Part 2

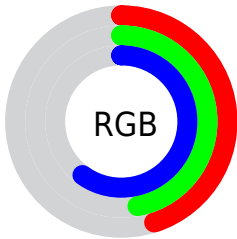
Format	Color
RYB	116, 120, 153
Decimal	7633049
CIELab	51.20, 6.07, -18.27
CIElCh	51, 19.255, 288.373
Yxy	19.4459, 0.2733, 0.2702
Android (android.graphics.Color)	4285823129 (0xFF747899)
YUV	122.5660, 15.0040, -5.7584
Hunter-Lab	44.0975, 2.4465, -13.3041

Details

The Yxy color **19.4459, 0.2733, 0.2702** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.5294, 0.3495, 0.3817**, and the grayscale version is **19.6107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4451, 0.2829, 0.2833**, and **6.7873, 0.2573, 0.2484** is the 20% darker color. If you saturate the color by 10%, you get **15.4310, 0.2544, 0.2412**, and if you desaturate by 10%, it is **24.1029, 0.2908, 0.2965**.

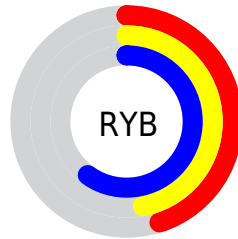
Distribution



Red (45%)

Green (47%)

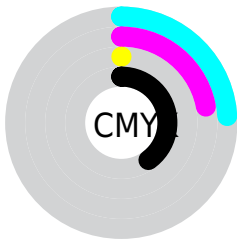
Blue (60%)



Red (45%)

Yellow (47%)

Blue (60%)

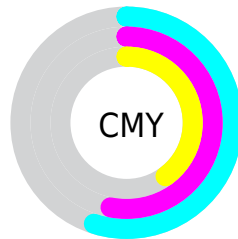


Cyan (24%)

Magenta (22%)

Yellow (0%)

Black (40%)



Cyan (55%)

Magenta (53%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4459, 0.2733, 0.2702 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 19.4459, 0.2733, 0.2702 by changing the saturation by 10% instead.

■ 19.4459, 0.2733,
0.2702

■ 19.4459, 0.2733,
0.2702

■ 248.8994, 0.2958,
0.3030

■ 11.9929, 0.2666,
0.2607

■ 42.4862, 0.2822,
0.2830

■ 6.7389, 0.2571,
0.2477

■ 58.8423, 0.2854,
0.2876

■ 3.2993, 0.2430,
0.2287

■ 78.9350, 0.2879,
0.2913

■ 1.2899, 0.2200,
0.1989

■ 103.1485, 0.2900,
0.2944

■ 0.1334, 0.1441,
0.0699

■ 131.8673, 0.2918,
0.2970

■ 0.0000, 0.0000,
0.0000

165.4758, 0.2933,

0.2993

204.3584, 0.2946,
0.3013

■ 19.4459, 0.2733,
0.2702

■ 19.4459, 0.2733,
0.2702

■ 15.4310, 0.2544,
0.2412

■ 24.1029, 0.2908,
0.2965

■ 12.0278, 0.2346,
0.2103

■ 29.4261, 0.3066,
0.3200

■ 9.2067, 0.2147,
0.1784

■ 35.4412, 0.3207,
0.3407

■ 6.9350, 0.1957,
0.1471

■ 42.1717, 0.3333,
0.3587

■ 5.1764, 0.1789,
0.1184

■ 49.6402, 0.3443,
0.3744

■ 3.8906, 0.1655,
0.0943

■ 57.8682, 0.3539,
0.3879

■ 3.0303, 0.1564,
0.0765

■ 66.8763, 0.3624,
0.3996

■ 2.6864, 0.1525,
0.0689

■ 76.6844, 0.3698,
0.4097

■ 87.3116, 0.3762,
0.4184

Harmonies

Analogous

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



19.4459, 0.2518, 0.2759



19.4459, 0.2733, 0.2702



19.4459, 0.3062, 0.2786

Triad

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



19.4459, 0.2733, 0.2702



19.4459, 0.3846, 0.3554



19.4459, 0.2814, 0.3624

Complementary

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



19.4459, 0.2733, 0.2702



29.5294, 0.3495, 0.3817

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.



19.4459, 0.3159, 0.3873



19.4459, 0.2733, 0.2702



19.4459, 0.3764, 0.3805

Square

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



19.4459, 0.2733, 0.2702



19.4459, 0.3721, 0.3259



19.4459, 0.3508, 0.3933



19.4459, 0.2562, 0.3278

Rectangle

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



19.4459, 0.2733, 0.2702



19.4459, 0.3308, 0.2908



19.4459, 0.3508, 0.3933



19.4459, 0.2923, 0.3723

Sweetspot

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



19.4467, 0.2733, 0.2702



49.7513, 0.3021, 0.3134



28.6558, 0.2816, 0.3363



10.8745, 0.3013, 0.3122



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



19.4467, 0.2733, 0.2702



30.8088, 0.2633, 0.2549



19.5524, 0.2886, 0.2657



6.1285, 0.2988, 0.3085



2.2468, 0.1527, 0.0697



0.0583, 0.1643, 0.1114

Inverse Universe

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



20.6204, 0.3561, 0.3225



33.3636, 0.3693, 0.3209



29.5171, 0.3329, 0.3906



6.2330, 0.3267, 0.3266



5.6321, 0.6238, 0.3210



0.0867, 0.5589, 0.2853

Previews

White Background



This preview shows how the Yxy color 19.4459, 0.2733, 0.2702 looks on a white background.

Color Contrast Check

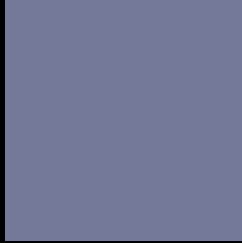
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4459, 0.2733, 0.2702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

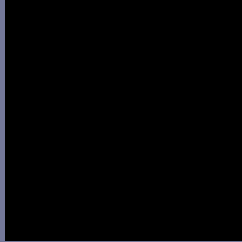
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

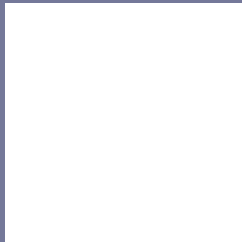
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.4459, 0.2733, 0.2702

Background



This preview shows how black text looks on a background with the Yxy color 19.4459, 0.2733, 0.2702.



This preview shows how white text looks on a background with the Yxy color 19.4459, 0.2733, 0.2702.

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

19.4459, 0.2733, 0.2702

Protanopia

19.5521, 0.2714, 0.2717

Deuteranopia

19.5844, 0.2754, 0.2705



Tritanopia

19.5535, 0.2891, 0.3119

Trichromacy



Original Color

19.4459, 0.2733, 0.2702

Protanomaly

19.6195, 0.2724, 0.2719

Deuteranomaly

19.5148, 0.2744, 0.2704

Tritanomaly

19.5701, 0.2831, 0.2974

Monochromacy



Original Color

19.4459, 0.2733, 0.2702

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.6334, 0.2971, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4459, 0.2733, 0.2702 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(116, 120, 153)` looks like.

```
.text, #text, p{  
    color:rgb(116, 120, 153)  
}
```

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(116, 120, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 153) }
```

Border

The CSS property to change the border of an element to Yxy 19.4459, 0.2733, 0.2702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

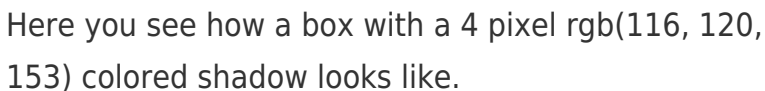
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 120, 153) }
```

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

```
.border{ border-color:rgb(116, 120, 153) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 120, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 120, 153); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 120, 153); box-shadow:4px 4px 4px 4px rgb(116, 120, 153) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4459, 0.2733, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 153) }
```

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

```
.background{ background-color: rgb(116,  
120, 153) }
```

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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