

Converting Colors

$Y_{xy}(20.4458, 0.2804, 0.2853)$

Have a look what the booklet for
Yxy(20.4458, 0.2804, 0.2853)
contains.

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Color

Yxy(20.4368, 0.2798, 0.2844)

Conversions

Conversions Part 1

Format	Color
Hex	767C95
RGB	118, 124, 149
RGB Percent	46%, 49%, 58%
CMY	0.5371, 0.5137, 0.4157
CMYK	0.21, 0.17, 0.00, 0.42
HSL	228°, 13%, 52%
HSV	228°, 21%, 58%
XYZ	20.1062, 20.4368, 31.3163
YIQ	125.0560, -11.6010, 6.5030

Conversions

Conversions Part 2

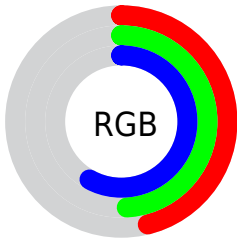
Format	Color
RYB	118, 123, 149
Decimal	7765141
CIELab	52.33, 3.41, -14.21
CIELCh	52, 14.614, 283.476
Yxy	20.4368, 0.2798, 0.2844
Android (android.graphics.Color)	4285955221 (0xFF767C95)
YUV	125.0560, 11.8044, -6.1881
Hunter-Lab	45.2071, 0.2771, -9.4270

Details

The Yxy color $20.4368, 0.2798, 0.2844$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $27.3518, 0.3448, 0.3700$, and the grayscale version is $20.4923, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.9085, 0.2868, 0.2937$, and $7.1792, 0.2666, 0.2667$ is the 20% darker color. If you saturate the color by 10%, you get $16.6420, 0.2620, 0.2591$, and if you desaturate by 10%, it is $24.7659, 0.2964, 0.3072$.

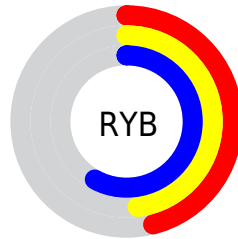
Distribution



Red (46%)

Green (49%)

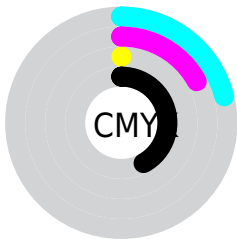
Blue (58%)



Red (46%)

Yellow (48%)

Blue (58%)

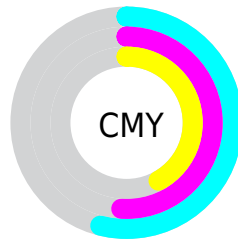


Cyan (21%)

Magenta (17%)

Yellow (0%)

Black (42%)



Cyan (54%)

Magenta (51%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.4368, 0.2798, 0.2844 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 20.4368, 0.2798, 0.2844 by changing the saturation by 10% instead.

■ 20.4368, 0.2798,
0.2844

■ 20.4368, 0.2798,
0.2844

254.2701, 0.2984,
0.3093

■ 12.7130, 0.2743,
0.2771

■ 44.1483, 0.2872,
0.2942

■ 7.2312, 0.2665,
0.2671

■ 60.9048, 0.2898,
0.2976

■ 3.6071, 0.2549,
0.2523

■ 81.4409, 0.2919,
0.3005

■ 1.4563, 0.2359,
0.2286

106.1410, 0.2936,
0.3028

■ 0.2577, 0.1732,
0.1360

135.3896, 0.2951,
0.3048

■ 0.0000, 0.0000,
0.0000

169.5711, 0.2964,

0.3065

209.0697, 0.2975,
0.3080

■ 20.4368, 0.2798,
0.2844

■ 20.4368, 0.2798,
0.2844

■ 16.6420, 0.2620,
0.2591

■ 24.7659, 0.2964,
0.3072

■ 13.3580, 0.2432,
0.2317

■ 29.6466, 0.3116,
0.3275

■ 10.5635, 0.2242,
0.2028

■ 35.0983, 0.3253,
0.3454

■ 8.2344, 0.2056,
0.1733

■ 41.1389, 0.3376,
0.3610

■ 6.3447, 0.1886,
0.1447

■ 47.7854, 0.3486,
0.3746

■ 4.8656, 0.1742,
0.1187

■ 55.0542, 0.3583,
0.3864

■ 3.7645, 0.1631,
0.0967

■ 62.9609, 0.3670,
0.3967

■ 3.0339, 0.1558,
0.0807

■ 71.5207, 0.3747,
0.4056

■ 80.7483, 0.3815,
0.4133

Harmonies

Analogous

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



20.4368, 0.2651, 0.2910



20.4368, 0.2798, 0.2844



20.4368, 0.3037, 0.2889

Triad

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



20.4368, 0.2798, 0.2844



20.4368, 0.3657, 0.3460



20.4368, 0.2934, 0.3573

Complementary

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



20.4368, 0.2798, 0.2844



27.3518, 0.3448, 0.3700

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.



20.4368, 0.3199, 0.3736



20.4368, 0.2798, 0.2844



20.4368, 0.3623, 0.3655

Square

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



20.4368, 0.2798, 0.2844



20.4368, 0.3541, 0.3234



20.4368, 0.3453, 0.3762



20.4368, 0.2726, 0.3327

Rectangle

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



20.4368, 0.2798, 0.2844



20.4368, 0.3220, 0.2974



20.4368, 0.3453, 0.3762



20.4368, 0.3019, 0.3640

Sweetspot

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



20.4376, 0.2798, 0.2844



48.3045, 0.3037, 0.3170



27.3242, 0.2879, 0.3396



10.5955, 0.3028, 0.3158



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



20.4376, 0.2798, 0.2844



33.2750, 0.2715, 0.2728



19.6705, 0.2895, 0.2751



5.8031, 0.2989, 0.3106



2.5886, 0.1560, 0.0816



0.0650, 0.1741, 0.1465

Inverse Universe

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



20.8083, 0.3452, 0.3191



34.1567, 0.3547, 0.3166



28.3519, 0.3329, 0.3808



5.8326, 0.3254, 0.3248



5.4547, 0.6043, 0.3103



0.0701, 0.5104, 0.2585

Previews

White Background



This preview shows how the Yxy color 20.4368, 0.2798, 0.2844 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 20.4368, 0.2798, 0.2844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

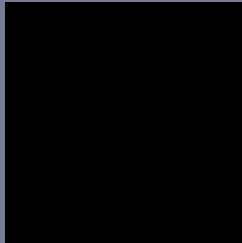
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

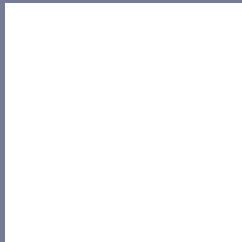
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.4368, 0.2798, 0.2844

Background



This preview shows how black text looks on a background with the Yxy color 20.4368, 0.2798, 0.2844.



This preview shows how white text looks on a background with the Yxy color 20.4368, 0.2798, 0.2844.

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

20.4368, 0.2798, 0.2844

Protanopia

20.5072, 0.2808, 0.2845

Deuteranopia

20.4490, 0.2872, 0.2818



Tritanopia

20.4123, 0.2906, 0.3105

Trichromacy



Original Color

20.4368, 0.2798, 0.2844

Protanomaly

20.5072, 0.2808, 0.2845

Deuteranomaly

20.4734, 0.2840, 0.2831

Tritanomaly

20.3722, 0.2866, 0.2998

Monochromacy



Original Color

20.4368, 0.2798, 0.2844

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.5260, 0.2994, 0.3126

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4368, 0.2798, 0.2844 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(118, 124, 149)` looks like.

```
.text, #text, p{  
    color:rgb(118, 124, 149)  
}
```

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(118, 124, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 124, 149) }
```

Border

The CSS property to change the border of an element to Yxy 20.4368, 0.2798, 0.2844 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(118, 124, 149) }
```

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

```
.border{ border-color:rgb(118, 124, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 124, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 124, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 124, 149);  
box-shadow:4px 4px 4px 4px rgb(118, 124,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4368, 0.2798, 0.2844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 124, 149) }
```

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

```
.background{ background-color: rgb(118,  
124, 149) }
```

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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