

Converting Colors

$Y_{xy}(20.0130, 0.2684, 0.3030)$

Have a look what the booklet for
Yxy(20.0130, 0.2684, 0.3030)
contains.

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Color

Yxy(20.0141, 0.2685, 0.3041)

Conversions

Conversions Part 1

Format	Color
Hex	63808D
RGB	99, 128, 141
RGB Percent	39%, 50%, 55%
CMY	0.6118, 0.4980, 0.4471
CMYK	0.30, 0.09, 0.00, 0.45
HSL	199°, 18%, 47%
HSV	199°, 30%, 55%
XYZ	17.6711, 20.0141, 28.1290
YIQ	120.8110, -21.4570, -2.1050

Conversions

Conversions Part 2

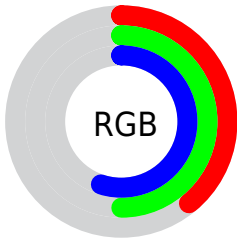
Format	Color
R_{YB}	99, 116, 141
Decimal	6520973
CIE _{Lab}	51.85, -7.10, -10.39
CIE _{LCh}	52, 12.583, 235.660
Yxy	20.0141, 0.2685, 0.3041
Android (android.graphics.Color)	4284711053 (0xFF63808D)
YUV	120.8110, 9.9532, -19.1282
Hunter-Lab	44.7371, -7.7827, -5.9633

Details

The Yxy color $20.0141, 0.2685, 0.3041$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $18.1465, 0.3696, 0.3525$, and the grayscale version is $19.0284, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.5672, 0.2782, 0.3097$, and $7.0254, 0.2504, 0.2932$ is the 20% darker color. If you saturate the color by 10%, you get $18.1758, 0.2543, 0.2943$, and if you desaturate by 10%, it is $22.0415, 0.2832, 0.3132$.

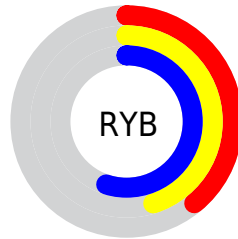
Distribution



Red (39%)

Green (50%)

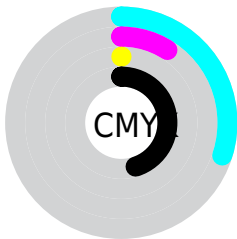
Blue (55%)



Red (39%)

Yellow (45%)

Blue (55%)

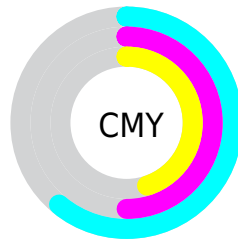


Cyan (30%)

Magenta (9%)

Yellow (0%)

Black (45%)



Cyan (61%)

Magenta (50%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.0141, 0.2685, 0.3041 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 20.0141, 0.2685, 0.3041 by changing the saturation by 10% instead.

■ 20.0141, 0.2685,
0.3041

■ 20.0141, 0.2685,
0.3041

■ 251.9914, 0.2934,
0.3185

■ 12.4053, 0.2612,
0.2996

■ 43.4408, 0.2783,
0.3099

■ 7.0203, 0.2509,
0.2933

■ 60.0275, 0.2818,
0.3119

■ 3.4748, 0.2358,
0.2835

■ 80.3757, 0.2846,
0.3135

■ 1.3844, 0.2110,
0.2666

■ 104.8696, 0.2869,
0.3149

■ 0.2052, 0.0185,
0.1744

■ 133.8938, 0.2889,
0.3160

■ 0.0000, 0.0000,
0.0000

167.8325, 0.2906,

0.3170

207.0703, 0.2921,
0.3178

■ 20.0141, 0.2685,
0.3041

■ 20.0141, 0.2685,
0.3041

■ 18.1758, 0.2543,
0.2943

■ 22.0415, 0.2832,
0.3132

■ 16.5165, 0.2410,
0.2839

■ 24.2629, 0.2981,
0.3216

■ 15.0284, 0.2288,
0.2729

■ 26.6860, 0.3130,
0.3292

■ 13.7022, 0.2182,
0.2617

■ 29.3172, 0.3277,
0.3360

■ 12.5275, 0.2092,
0.2502

■ 32.1626, 0.3419,
0.3421

■ 11.4921, 0.2022,
0.2388

■ 35.2282, 0.3557,
0.3475

■ 10.5644, 0.1966,
0.2274

■ 38.5195, 0.3688,
0.3522

■ 10.5458, 0.1965,
0.2272

■ 42.0419, 0.3813,
0.3564

■ 45.8006, 0.3931,
0.3601

Harmonies

Analogous

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



20.0141, 0.2730, 0.3234



20.0141, 0.2685, 0.3041



20.0141, 0.2753, 0.2925

Triad

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



20.0141, 0.2685, 0.3041



20.0141, 0.3376, 0.3131



20.0141, 0.3327, 0.3703

Complementary

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



20.0141, 0.2685, 0.3041



18.1465, 0.3696, 0.3525

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.



20.0141, 0.3510, 0.3657



20.0141, 0.2685, 0.3041



20.0141, 0.3541, 0.3323

Square

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



20.0141, 0.2685, 0.3041



20.0141, 0.3146, 0.2981



20.0141, 0.3590, 0.3515



20.0141, 0.3095, 0.3630

Rectangle

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



20.0141, 0.2685, 0.3041



20.0141, 0.2854, 0.2901



20.0141, 0.3590, 0.3515



20.0141, 0.3396, 0.3701

Sweetspot

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



20.0149, 0.2685, 0.3041



43.7040, 0.2990, 0.3220



22.8612, 0.2972, 0.3866



9.6409, 0.2971, 0.3210



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.0149, 0.2685, 0.3041



33.5126, 0.2585, 0.2973



15.1719, 0.2641, 0.2627



5.8387, 0.2990, 0.3220



9.6452, 0.1966, 0.2276



0.1315, 0.2110, 0.2794

Inverse Universe

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



16.1426, 0.3334, 0.2783



25.6315, 0.3397, 0.2662



23.2271, 0.3598, 0.3875



5.4830, 0.3181, 0.3139



5.9600, 0.4151, 0.2061



0.0609, 0.3640, 0.1779

Previews

White Background



This preview shows how the Yxy color 20.0141, 0.2685, 0.3041 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 20.0141, 0.2685, 0.3041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

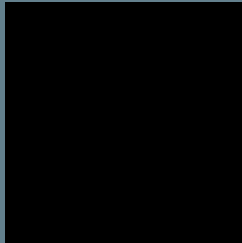
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

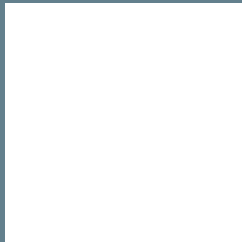
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 20.0141, 0.2685, 0.3041

Background



This preview shows how black text looks on a background with the Yxy color 20.0141, 0.2685, 0.3041.



This preview shows how white text looks on a background with the Yxy color 20.0141, 0.2685, 0.3041.

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

20.0141, 0.2685, 0.3041

Protanopia

19.7902, 0.2950, 0.3016

Deuteranopia

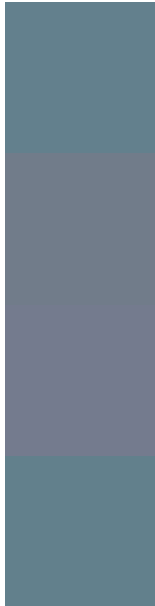
19.8517, 0.2944, 0.2882



Tritanopia

19.8991, 0.2693, 0.3077

Trichromacy



Original Color

20.0141, 0.2685, 0.3041

Protanomaly

19.7610, 0.2852, 0.3029

Deuteranomaly

19.8319, 0.2844, 0.2942

Tritanomaly

19.9285, 0.2684, 0.3059

Monochromacy



Original Color

20.0141, 0.2685, 0.3041

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.4845, 0.2954, 0.3213

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0141, 0.2685, 0.3041 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(99, 128, 141) looks like.

```
.text, #text, p{  
  color:rgb(99, 128, 141)  
}
```

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(99, 128, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 128, 141) }
```

Border

The CSS property to change the border of an element to Yxy 20.0141, 0.2685, 0.3041 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(99, 128, 141) }
```

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

```
.border{ border-color:rgb(99, 128, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 128, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 128, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 128, 141);  
box-shadow:4px 4px 4px 4px rgb(99, 128,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0141, 0.2685, 0.3041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 128, 141) }
```

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

```
.background{ background-color: rgb(99, 128,  
141) }
```

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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