

Converting Colors

$Y_{xy}(18.5893, 0.2617, 0.3209)$

Have a look what the booklet for
Yxy(18.5893, 0.2617, 0.3209)
contains.

Yxy(18.6113, 0.2613, 0.3206)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$Y_{xy}(18.6113, 0.2613, 0.3206)$

Conversions

Conversions Part 1

Format	Color
Hex	527F83
RGB	82, 127, 131
RGB Percent	32%, 50%, 51%
CMY	0.6783, 0.5020, 0.4862
CMYK	0.37, 0.03, 0.00, 0.49
HSL	185°, 23%, 42%
HSV	185°, 37%, 51%
XYZ	15.1688, 18.6113, 24.2713
YIQ	114.0010, -28.1040, -8.2960

Conversions

Conversions Part 2

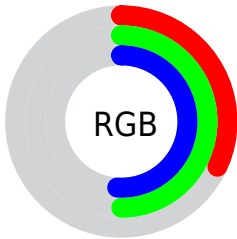
Format	Color
R_{YB}	82, 105, 131
Decimal	5406595
CIE _{Lab}	50.23, -14.26, -7.08
CIE _{LCh}	50, 15.920, 206.399
Yxy	18.6113, 0.2613, 0.3206
Android (android.graphics.Color)	4283596675 (0xFF527F83)
YUV	114.0010, 8.3805, -28.0649
Hunter-Lab	43.1408, -12.7336, -3.1584

Details

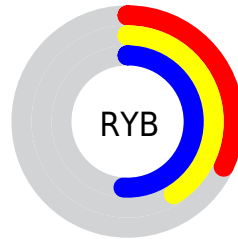
The Yxy color **18.6113, 0.2613, 0.3206** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **12.1012, 0.3961, 0.3371**, and the grayscale version is **16.8111, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1715, 0.2731, 0.3231**, and **6.3651, 0.2402, 0.3157** is the 20% darker color. If you saturate the color by 10%, you get **17.8030, 0.2501, 0.3180**, and if you desaturate by 10%, it is **19.5362, 0.2738, 0.3231**.

Distribution



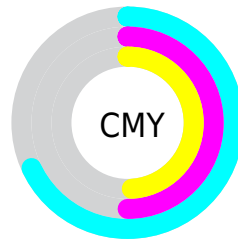
- Red (32%)
- Green (50%)
- Blue (51%)



- Red (32%)
- Yellow (41%)
- Blue (51%)



- Cyan (37%)
- Magenta (3%)
- Yellow (0%)
- Black (49%)





- Cyan (68%)
- Magenta (50%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6113, 0.2613, 0.3206 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 18.6113, 0.2613, 0.3206 by changing the saturation by 10% instead.


 18.6113, 0.2613,
0.3206


 18.6113, 0.2613,
0.3206


244.2944, 0.2905,
0.3259


 11.3898, 0.2525,
0.3187


 41.0762, 0.2729,
0.3229


 6.3296, 0.2403,
0.3158


 57.0884, 0.2770,
0.3236

 3.0465, 0.2218,
0.3110

 76.7996, 0.2802,
0.3242

 1.1561, 0.1901,
0.3017

 100.5942, 0.2830,
0.3247

 0.0254, 0.0000,
0.0463

 128.8566, 0.2853,
0.3251

 0.0000, 0.0000,
0.0000

161.9712, 0.2873,

0.3254

200.3223, 0.2890,
0.3257

■ 18.6113, 0.2613,
0.3206

■ 18.6113, 0.2613,
0.3206

■ 17.8030, 0.2501,
0.3180

■ 19.5362, 0.2738,
0.3231

■ 17.1027, 0.2403,
0.3154

■ 20.5815, 0.2874,
0.3254

■ 16.5040, 0.2323,
0.3127

■ 21.7533, 0.3018,
0.3275

■ 15.9991, 0.2260,
0.3099

■ 23.0568, 0.3166,
0.3295

■ 15.5789, 0.2215,
0.3072

■ 24.4969, 0.3318,
0.3313

■ 15.2244, 0.2185,
0.3046

■ 26.0781, 0.3469,
0.3329

■ 15.1344, 0.2177,
0.3039

■ 27.8048, 0.3619,
0.3344

■ 29.6813, 0.3766,
0.3356

■ 31.7116, 0.3908,
0.3367

Harmonies

Analogous

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



18.6113, 0.2798, 0.3495



18.6113, 0.2613, 0.3206



18.6113, 0.2560, 0.2959

Triad

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



18.6113, 0.2613, 0.3206



18.6113, 0.3157, 0.2899



18.6113, 0.3618, 0.3766

Complementary

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



18.6113, 0.2613, 0.3206



12.1012, 0.3961, 0.3371

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.



18.6113, 0.3728, 0.3580



18.6113, 0.2613, 0.3206



18.6113, 0.3456, 0.3090

Square

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



18.6113, 0.2613, 0.3206



18.6113, 0.2863, 0.2799



18.6113, 0.3669, 0.3335



18.6113, 0.3376, 0.3830

Rectangle

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



18.6113, 0.2613, 0.3206



18.6113, 0.2604, 0.2851



18.6113, 0.3669, 0.3335



18.6113, 0.3672, 0.3715

Sweetspot

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



18.6120, 0.2613, 0.3206



38.1056, 0.2961, 0.3267



18.6933, 0.3046, 0.4296



8.8161, 0.2945, 0.3265



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



18.6120, 0.2613, 0.3206



32.0560, 0.2515, 0.3184



13.1871, 0.2542, 0.2691



5.2152, 0.2992, 0.3272



14.8952, 0.2178, 0.3039



0.0564, 0.2214, 0.3172

Inverse Universe

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



12.3988, 0.3228, 0.2469



19.3405, 0.3255, 0.2289



16.5434, 0.3797, 0.3821



4.7564, 0.3149, 0.3093



6.0906, 0.3420, 0.1658



0.0216, 0.3306, 0.1595

Previews

White Background



This preview shows how the Yxy color 18.6113, 0.2613, 0.3206 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 18.6113, 0.2613, 0.3206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

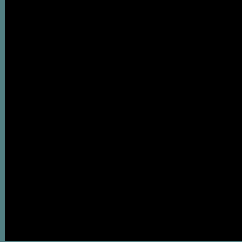
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.6113, 0.2613, 0.3206

Background



This preview shows how black text looks on a background with the Yxy color 18.6113, 0.2613, 0.3206.



This preview shows how white text looks on a background with the Yxy color 18.6113, 0.2613, 0.3206.

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

18.6113, 0.2613, 0.3206

Protanopia

18.3852, 0.3047, 0.3138

Deuteranopia

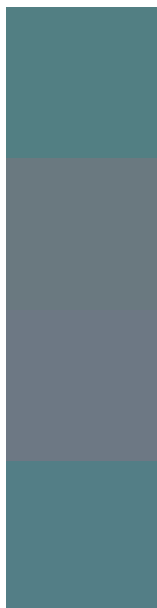
18.4693, 0.3030, 0.2978



Tritanopia

18.5383, 0.2576, 0.3086

Trichromacy



Original Color

18.6113, 0.2613, 0.3206

Protanomaly

18.2974, 0.2873, 0.3152

Deuteranomaly

18.3501, 0.2864, 0.3058

Tritanomaly

18.4819, 0.2593, 0.3126

Monochromacy



Original Color

18.6113, 0.2613, 0.3206

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.3745, 0.2910, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6113, 0.2613, 0.3206 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(82, 127, 131)` looks like.

```
.text, #text, p{  
  color:rgb(82, 127, 131)  
}
```

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(82, 127, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 127, 131) }
```

Border

The CSS property to change the border of an element to Yxy 18.6113, 0.2613, 0.3206 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(82, 127, 131) }
```

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

```
.border{ border-color:rgb(82, 127, 131) }
```

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

Here you see how a box with a 4 pixel rgb(82, 127, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 127, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 127, 131);  
box-shadow:4px 4px 4px 4px rgb(82, 127,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6113, 0.2613, 0.3206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 127, 131) }
```

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

```
.background{ background-color: rgb(82, 127,  
131) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor