

Converting Colors

$Y_{xy}(18.4187, 0.2607, 0.2673)$

Have a look what the booklet for
Yxy(18.4187, 0.2607, 0.2673)
contains.

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Color

Yxy(18.3442, 0.2607, 0.2678)

Conversions

Conversions Part 1

Format	Color
Hex	677798
RGB	103, 119, 152
RGB Percent	40%, 47%, 60%
CMY	0.5960, 0.5333, 0.4040
CMYK	0.32, 0.22, 0.00, 0.40
HSL	220°, 19%, 50%
HSV	220°, 32%, 60%
XYZ	17.8579, 18.3442, 32.2976
YIQ	117.9780, -20.1290, 6.8710

Conversions

Conversions Part 2

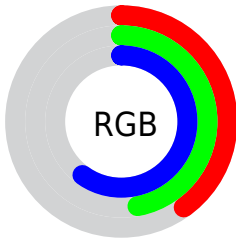
Format	Color
R_{YB}	103, 115, 152
Decimal	6780824
CIE _{Lab}	49.91, 2.28, -19.74
CIE _{LCh}	50, 19.874, 276.573
Yxy	18.3442, 0.2607, 0.2678
Android (android.graphics.Color)	4284970904 (0xFF677798)
YUV	117.9780, 16.7728, -13.1357
Hunter-Lab	42.8301, -0.5279, -14.7286

Details

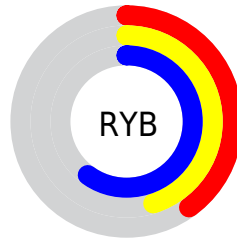
The Yxy color $18.3442, 0.2607, 0.2678$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $25.2610, 0.3672, 0.3833$, and the grayscale version is $18.0617, 0.3127, 0.3290$.

A 20% lighter version of the original color is $40.5506, 0.2725, 0.2818$, and $6.2303, 0.2397, 0.2439$ is the 20% darker color. If you saturate the color by 10%, you get $15.2194, 0.2431, 0.2448$, and if you desaturate by 10%, it is $21.8963, 0.2778, 0.2890$.

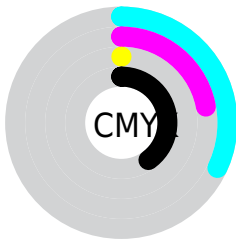
Distribution



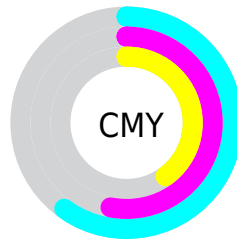
- Red (40%)
- Green (47%)
- Blue (60%)



- Red (40%)
- Yellow (45%)
- Blue (60%)



- Cyan (32%)
- Magenta (22%)
- Yellow (0%)
- Black (40%)



- Cyan (60%)
- Magenta (53%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.3442, 0.2607, 0.2678 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 18.3442, 0.2607, 0.2678 by changing the saturation by 10% instead.

■ 18.3442, 0.2607,
0.2678

■ 18.3442, 0.2607,
0.2678

■ 242.8040, 0.2903,
0.3024

■ 11.1974, 0.2518,
0.2576

■ 40.6230, 0.2725,
0.2815

■ 6.1998, 0.2395,
0.2435

■ 56.5237, 0.2766,
0.2862

■ 2.9669, 0.2211,
0.2227

■ 76.1112, 0.2799,
0.2902

■ 1.1145, 0.1915,
0.1896

■ 99.7699, 0.2827,
0.2934

■ 0.0000, 0.0313,
0.0000

■ 127.8841, 0.2851,
0.2962

■ 0.0000, 0.0000,
0.0000

160.8383, 0.2871,

0.2986

199.0168, 0.2888,
0.3006

■ 18.3442, 0.2607,
0.2678

■ 18.3442, 0.2607,
0.2678

■ 15.2194, 0.2431,
0.2448

■ 21.8963, 0.2778,
0.2890

■ 12.5025, 0.2256,
0.2203

■ 25.8897, 0.2942,
0.3083

■ 10.1760, 0.2088,
0.1951

■ 30.3403, 0.3095,
0.3255

■ 8.2198, 0.1935,
0.1699

■ 35.2625, 0.3237,
0.3407

■ 6.6119, 0.1803,
0.1459

■ 40.6701, 0.3367,
0.3541

■ 5.3273, 0.1700,
0.1240

■ 46.5763, 0.3486,
0.3659

■ 4.5148, 0.1636,
0.1087

■ 52.9939, 0.3594,
0.3762

■ 59.9349, 0.3692,
0.3851

■ 67.4114, 0.3781,
0.3929

Harmonies

Analogous

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



18.3442, 0.2443, 0.2797



18.3442, 0.2607, 0.2678



18.3442, 0.2912, 0.2710

Triad

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



18.3442, 0.2607, 0.2678



18.3442, 0.3858, 0.3445



18.3442, 0.2933, 0.3765

Complementary

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



18.3442, 0.2607, 0.2678



25.2610, 0.3672, 0.3833

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.



18.3442, 0.3309, 0.3956



18.3442, 0.2607, 0.2678



18.3442, 0.3856, 0.3737

Square

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



18.3442, 0.2607, 0.2678



18.3442, 0.3648, 0.3137



18.3442, 0.3650, 0.3934



18.3442, 0.2621, 0.3423

Rectangle

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



18.3442, 0.2607, 0.2678



18.3442, 0.3164, 0.2808



18.3442, 0.3650, 0.3934



18.3442, 0.3056, 0.3851

Sweetspot

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



18.3449, 0.2607, 0.2678



47.2336, 0.2973, 0.3119



27.1033, 0.2809, 0.3584



10.5134, 0.2953, 0.3096



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.



18.3449, 0.2607, 0.2678



28.1595, 0.2475, 0.2506



15.3612, 0.2662, 0.2392



6.3393, 0.2988, 0.3136



3.8380, 0.1639, 0.1100



0.1188, 0.1862, 0.1903

Inverse Universe

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



17.7094, 0.3606, 0.3022



27.1986, 0.3767, 0.2958



29.3437, 0.3509, 0.4095



6.2543, 0.3235, 0.3218



5.7928, 0.5611, 0.2865



0.0928, 0.4564, 0.2288

Previews

White Background



This preview shows how the Yxy color 18.3442, 0.2607, 0.2678 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3442, 0.2607, 0.2678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

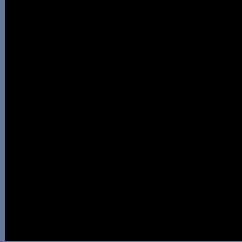
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

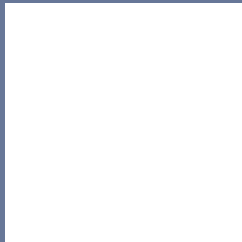
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3442, 0.2607, 0.2678

Background



This preview shows how black text looks on a background with the Yxy color 18.3442, 0.2607, 0.2678.

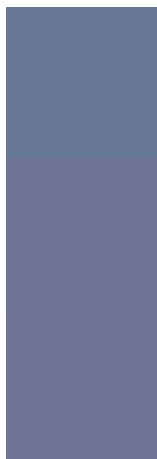


This preview shows how white text looks on a background with the Yxy color 18.3442, 0.2607, 0.2678.

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

18.3442, 0.2607, 0.2678

Protanopia

18.2719, 0.2683, 0.2668

Deuteranopia

18.2354, 0.2684, 0.2621



Tritanopia

18.4845, 0.2759, 0.3111

Trichromacy



Original Color

18.3442, 0.2607, 0.2678

Protanomaly

18.3170, 0.2654, 0.2682

Deuteranomaly

18.2737, 0.2654, 0.2634

Tritanomaly

18.4925, 0.2701, 0.2960

Monochromacy



Original Color

18.3442, 0.2607, 0.2678

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0793, 0.2931, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3442, 0.2607, 0.2678 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(103, 119, 152)` looks like.

```
.text, #text, p{  
    color:rgb(103, 119, 152)  
}
```

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(103, 119, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 119, 152) }
```

Border

The CSS property to change the border of an element to Yxy 18.3442, 0.2607, 0.2678 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(103, 119, 152) }
```

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

```
.border{ border-color:rgb(103, 119, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 119, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 119, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 119, 152);  
box-shadow:4px 4px 4px 4px rgb(103, 119,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3442, 0.2607, 0.2678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 119, 152) }
```

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

```
.background{ background-color: rgb(103,  
119, 152) }
```

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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