

Converting Colors

$Y_{xy}(18.4282, 0.2722, 0.3523)$

Have a look what the booklet for
 $\text{Yxy}(18.4282, 0.2722, 0.3523)$
contains.

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Color

Yxy(18.4282, 0.2722, 0.3523)

Conversions

Conversions Part 1

Format	Color
Hex	508075
RGB	80, 128, 117
RGB Percent	31%, 50%, 46%
CMY	0.6863, 0.4980, 0.5411
CMYK	0.38, 0.00, 0.09, 0.50
HSL	166°, 23%, 41%
HSV	166°, 38%, 50%
XYZ	14.2383, 18.4282, 19.6418
YIQ	112.3940, -25.0770, -13.5970

Conversions

Conversions Part 2

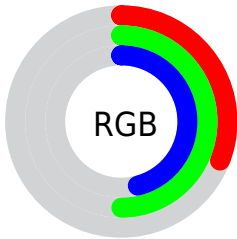
Format	Color
R_{YB}	80, 107, 128
Decimal	5275765
CIE _{Lab}	50.01, -18.98, 0.81
CIE _{LCh}	50, 19.001, 177.568
Yxy	18.4282, 0.2722, 0.3523
Android (android.graphics.Color)	4283465845 (0xFF508075)
YUV	112.3940, 2.2708, -28.4095
Hunter-Lab	42.9281, -15.9196, 2.9215

Details

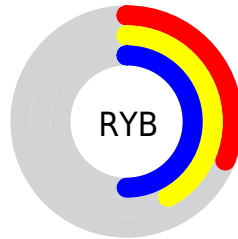
The Yxy color **18.4282, 0.2722, 0.3523** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **11.0798, 0.3789, 0.3074**, and the grayscale version is **16.3236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7376, 0.2814, 0.3469**, and **6.3129, 0.2554, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **17.8561, 0.2636, 0.3596**, and if you desaturate by 10%, it is **19.1101, 0.2819, 0.3454**.

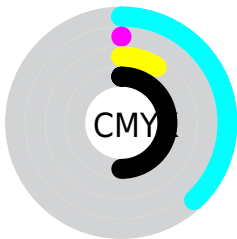
Distribution



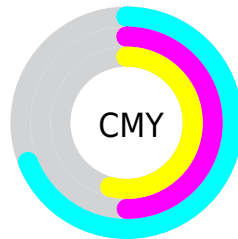
- Red (31%)
- Green (50%)
- Blue (46%)



- Red (31%)
- Yellow (42%)
- Blue (50%)



- Cyan (38%)
- Magenta (0%)
- Yellow (9%)
- Black (50%)





- Cyan (69%)
- Magenta (50%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.4282, 0.2722, 0.3523 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 18.4282, 0.2722, 0.3523 by changing the saturation by 10% instead.


 18.4282, 0.2722,
0.3523


 18.4282, 0.2722,
0.3523


243.2736, 0.2955,
0.3388


 11.2578, 0.2650,
0.3565


 40.7656, 0.2816,
0.3469


 6.2405, 0.2548,
0.3625


 56.7015, 0.2848,
0.3450


 2.9919, 0.2389,
0.3718

 76.3280, 0.2874,
0.3435

 1.1275, 0.2049,
0.3915

 100.0295, 0.2896,
0.3422

 0.0013, 0.0000,
1.0000

 128.1904, 0.2915,
0.3412

 0.0000, 0.0000,
0.0000

161.1952, 0.2930,

0.3403

199.4281, 0.2944,
0.3395

■ 18.4282, 0.2722,
0.3523

■ 18.4282, 0.2722,
0.3523

■ 17.8561, 0.2636,
0.3596

■ 19.1101, 0.2819,
0.3454

■ 17.3855, 0.2565,
0.3673

■ 19.9052, 0.2926,
0.3390

■ 17.0105, 0.2510,
0.3753

■ 20.8193, 0.3039,
0.3331

■ 16.7235, 0.2473,
0.3834

■ 21.8575, 0.3157,
0.3277

■ 16.5161, 0.2454,
0.3916

■ 23.0242, 0.3276,
0.3229

■ 16.3692, 0.2450,
0.3997

■ 24.3239, 0.3396,
0.3186

■ 16.3347, 0.2449,
0.4018

■ 25.7606, 0.3514,
0.3148

■ 27.3385, 0.3630,
0.3114

■ 29.0612, 0.3743,
0.3085

Harmonies

Analogous

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



18.4282, 0.3048, 0.3816



18.4282, 0.2722, 0.3523



18.4282, 0.2510, 0.3172

Triad

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



18.4282, 0.2722, 0.3523



18.4282, 0.2823, 0.2711



18.4282, 0.3846, 0.3641

Complementary

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



18.4282, 0.2722, 0.3523



11.0798, 0.3789, 0.3074

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.



18.4282, 0.3784, 0.3350



18.4282, 0.2722, 0.3523



18.4282, 0.3175, 0.2834

Square

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



18.4282, 0.2722, 0.3523



18.4282, 0.2566, 0.2723



18.4282, 0.3533, 0.3062



18.4282, 0.3703, 0.3863

Rectangle

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



18.4282, 0.2722, 0.3523



18.4282, 0.2456, 0.2967



18.4282, 0.3533, 0.3062



18.4282, 0.3849, 0.3548

Sweetspot

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



18.4289, 0.2722, 0.3523



36.0263, 0.2996, 0.3352



18.2521, 0.3203, 0.4330



8.3925, 0.2984, 0.3359



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



18.4289, 0.2722, 0.3523



31.5740, 0.2648, 0.3585



15.5705, 0.2586, 0.3014



4.8706, 0.3021, 0.3340



16.1964, 0.2449, 0.4018



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.0798, 0.3789, 0.3074



16.6775, 0.4018, 0.3025



12.9607, 0.3898, 0.3547



4.3591, 0.3245, 0.3241



4.6401, 0.5922, 0.3036



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.4282, 0.2722, 0.3523 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 18.4282, 0.2722, 0.3523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

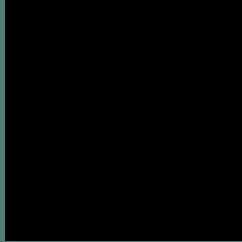
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.4282, 0.2722, 0.3523

Background



This preview shows how black text looks on a background with the Yxy color 18.4282, 0.2722, 0.3523.

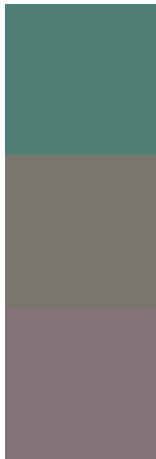


This preview shows how white text looks on a background with the Yxy color 18.4282, 0.2722, 0.3523.

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

18.4282, 0.2722, 0.3523

Protanopia

18.2421, 0.3262, 0.3425

Deuteranopia

18.2847, 0.3248, 0.3198



Tritanopia

18.3478, 0.2599, 0.3086

Trichromacy



Original Color

18.4282, 0.2722, 0.3523

Protanomaly

18.2371, 0.3046, 0.3471

Deuteranomaly

18.1444, 0.3028, 0.3309

Tritanomaly

18.3192, 0.2645, 0.3247

Monochromacy



Original Color

18.4282, 0.2722, 0.3523

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.8811, 0.2951, 0.3373

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4282, 0.2722, 0.3523 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(80, 128, 117)` looks like.

```
.text, #text, p{  
  color:rgb(80, 128, 117)  
}
```

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(80, 128, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 128, 117) }
```

Border

The CSS property to change the border of an element to Yxy 18.4282, 0.2722, 0.3523 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(80, 128, 117) }
```

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

```
.border{ border-color:rgb(80, 128, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 128, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 128, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 128, 117);  
box-shadow:4px 4px 4px 4px rgb(80, 128,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 18.4282, 0.2722, 0.3523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 128, 117) }
```

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

```
.background{ background-color: rgb(80, 128,  
117) }
```

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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