

Converting Colors

$Y_{xy}(18.2361, 0.2720, 0.3480)$

Have a look what the booklet for
 $\text{Yxy}(18.2361, 0.2720, 0.3480)$
contains.

$\text{Yxy}(18.2361, 0.2720, 0.3480)$	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

Yxy(18.2361, 0.2720, 0.3480)

Conversions

Conversions Part 1

Format	Color
Hex	517F76
RGB	81, 127, 118
RGB Percent	32%, 50%, 46%
CMY	0.6823, 0.5020, 0.5372
CMYK	0.36, 0.00, 0.07, 0.50
HSL	168°, 22%, 41%
HSV	168°, 36%, 50%
XYZ	14.2535, 18.2361, 19.9130
YIQ	112.2200, -24.5270, -12.5510

Conversions

Conversions Part 2

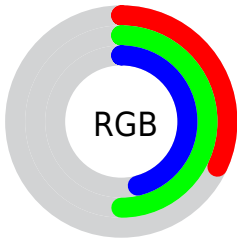
Format	Color
R_{YB}	81, 106, 127
Decimal	5341046
CIE _{Lab}	49.78, -17.90, -0.11
CIE _{LCh}	50, 17.897, 180.347
Yxy	18.2361, 0.2720, 0.3480
Android (android.graphics.Color)	4283531126 (0xFF517F76)
YUV	112.2200, 2.8495, -27.3799
Hunter-Lab	42.7037, -15.1525, 2.2454

Details

The Yxy color **18.2361, 0.2720, 0.3480** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **11.1353, 0.3784, 0.3112**, and the grayscale version is **16.2688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4503, 0.2813, 0.3439**, and **6.1981, 0.2546, 0.3566** is the 20% darker color. If you saturate the color by 10%, you get **17.6690, 0.2630, 0.3542**, and if you desaturate by 10%, it is **18.9112, 0.2822, 0.3422**.

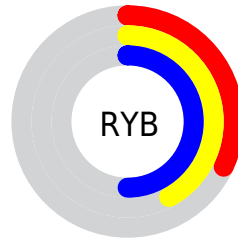
Distribution



Red (32%)

Green (50%)

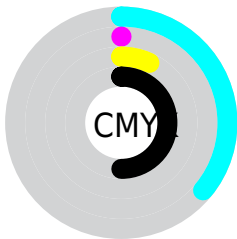
Blue (46%)



Red (32%)

Yellow (42%)

Blue (50%)

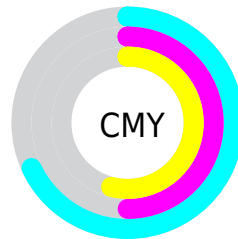


Cyan (36%)

Magenta (0%)

Yellow (7%)

Black (50%)



Cyan (68%)


Magenta (50%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.2361, 0.2720, 0.3480 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 18.2361, 0.2720, 0.3480 by changing the saturation by 10% instead.


 18.2361, 0.2720,
0.3480


 18.2361, 0.2720,
0.3480


242.1985, 0.2954,
0.3371


 11.1196, 0.2648,
0.3514


 40.4392, 0.2814,
0.3436


 6.1474, 0.2545,
0.3561

 56.2947, 0.2847,
0.3421


 2.9349, 0.2386,
0.3635

 75.8319, 0.2873,
0.3409

 1.0978, 0.2046,
0.3793

 99.4353, 0.2895,
0.3399

 0.0000, 0.0000,
0.0000

 127.4892, 0.2913,
0.3390

160.3782, 0.2929,

0.3383

198.4864, 0.2943,
0.3376

■ 18.2361, 0.2720,
0.3480

■ 18.2361, 0.2720,
0.3480

■ 17.6690, 0.2630,
0.3542

■ 18.9112, 0.2822,
0.3422

■ 17.2018, 0.2554,
0.3606

■ 19.6974, 0.2933,
0.3368

■ 16.8288, 0.2494,
0.3673

■ 20.6006, 0.3051,
0.3319

■ 16.5428, 0.2452,
0.3741

■ 21.6256, 0.3174,
0.3274

■ 16.3354, 0.2428,
0.3809

■ 22.7767, 0.3298,
0.3233

■ 16.1919, 0.2420,
0.3878

■ 24.0582, 0.3423,
0.3197

■ 16.1422, 0.2418,
0.3904

■ 25.4743, 0.3546,
0.3165

■ 27.0287, 0.3667,
0.3137

■ 28.7251, 0.3784,
0.3112

Harmonies

Analogous

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



18.2361, 0.3022, 0.3766



18.2361, 0.2720, 0.3480



18.2361, 0.2531, 0.3151

Triad

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



18.2361, 0.2720, 0.3480



18.2361, 0.2868, 0.2746



18.2361, 0.3802, 0.3647

Complementary

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



18.2361, 0.2720, 0.3480



11.1353, 0.3784, 0.3112

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.



18.2361, 0.3761, 0.3375



18.2361, 0.2720, 0.3480



18.2361, 0.3206, 0.2874

Square

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



18.2361, 0.2720, 0.3480



18.2361, 0.2613, 0.2746



18.2361, 0.3538, 0.3098



18.2361, 0.3652, 0.3846

Rectangle

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



18.2361, 0.2720, 0.3480



18.2361, 0.2489, 0.2962



18.2361, 0.3538, 0.3098



18.2361, 0.3810, 0.3561

Sweetspot

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



18.2368, 0.2720, 0.3480



36.0480, 0.2991, 0.3343



17.9569, 0.3183, 0.4294



8.3981, 0.2978, 0.3349



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.



18.2368, 0.2720, 0.3480



31.8480, 0.2648, 0.3528



15.1370, 0.2599, 0.2992



4.8729, 0.3017, 0.3332



16.2794, 0.2418, 0.3904



0.0000, 0.0000, 0.0000

Inverse Universe

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



11.1353, 0.3784, 0.3112



17.2618, 0.3997, 0.3074



13.2550, 0.3852, 0.3567



4.3569, 0.3250, 0.3248



4.6203, 0.6020, 0.3090



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.2361, 0.2720, 0.3480 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 18.2361, 0.2720, 0.3480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

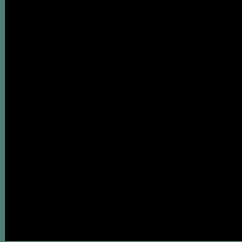
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.2361, 0.2720, 0.3480

Background



This preview shows how black text looks on a background with the Yxy color 18.2361, 0.2720, 0.3480.

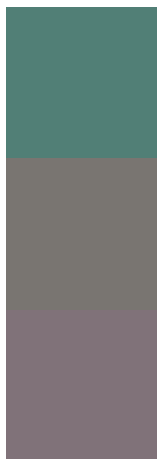


This preview shows how white text looks on a background with the Yxy color 18.2361, 0.2720, 0.3480.

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

18.2361, 0.2720, 0.3480

Protanopia

17.9798, 0.3227, 0.3367

Deuteranopia

18.0043, 0.3225, 0.3160



Tritanopia

18.3478, 0.2599, 0.3086

Trichromacy



Original Color

18.2361, 0.2720, 0.3480

Protanomaly

17.9767, 0.3012, 0.3411

Deuteranomaly

17.9292, 0.3017, 0.3270

Tritanomaly

18.3915, 0.2646, 0.3227

Monochromacy



Original Color

18.2361, 0.2720, 0.3480

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.7042, 0.2963, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.2361, 0.2720, 0.3480 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(81, 127, 118)` looks like.

```
.text, #text, p{  
    color:rgb(81, 127, 118)  
}
```

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(81, 127, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 127, 118) }
```

Border

The CSS property to change the border of an element to Yxy 18.2361, 0.2720, 0.3480 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(81, 127, 118) }
```

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

```
.border{ border-color:rgb(81, 127, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 127, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 127, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 127, 118);  
box-shadow:4px 4px 4px 4px rgb(81, 127,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 18.2361, 0.2720, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 127, 118) }
```

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

```
.background{ background-color: rgb(81, 127,  
118) }
```

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