

Converting Colors

$Y_{xy}(18.2750, 0.2745, 0.2957)$

Have a look what the booklet for
Yxy(18.2750, 0.2745, 0.2957)
contains.

Yxy(18.1515, 0.2738, 0.2942)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.1515, 0.2738, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	67788A
RGB	103, 120, 138
RGB Percent	40%, 47%, 54%
CMY	0.5963, 0.5294, 0.4589
CMYK	0.25, 0.13, 0.00, 0.46
HSL	211°, 15%, 47%
HSV	211°, 25%, 54%
XYZ	16.8929, 18.1515, 26.6535
YIQ	116.9690, -15.9100, 1.9940

Conversions

Conversions Part 2

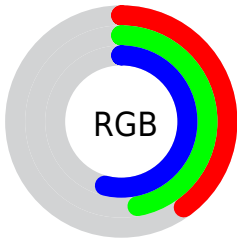
Format	Color
R_{YB}	103, 114, 138
Decimal	6781066
CIE _{Lab}	49.68, -1.98, -11.87
CIE _{LCh}	50, 12.035, 260.527
Yxy	18.1515, 0.2738, 0.2942
Android (android.graphics.Color)	4284971146 (0xFF67788A)
YUV	116.9690, 10.3683, -12.2508
Hunter-Lab	42.6046, -3.7821, -7.2687

Details

The Yxy color **18.1515, 0.2738, 0.2942** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.0384, 0.3563, 0.3614**, and the grayscale version is **17.7480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.2352, 0.2833, 0.3026**, and **6.1515, 0.2579, 0.2805** is the 20% darker color. If you saturate the color by 10%, you get **15.7622, 0.2579, 0.2780**, and if you desaturate by 10%, it is **20.8028, 0.2895, 0.3090**.

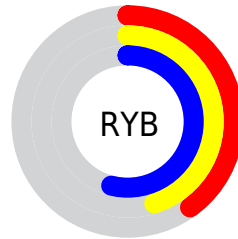
Distribution



Red (40%)

Green (47%)

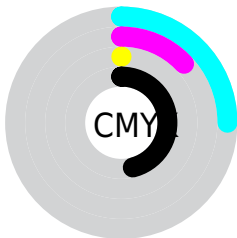
Blue (54%)



Red (40%)

Yellow (45%)

Blue (54%)

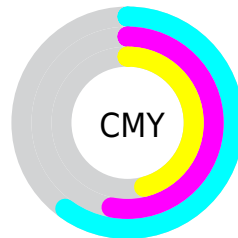


Cyan (25%)

Magenta (13%)

Yellow (0%)

Black (46%)



Cyan (60%)

Magenta (53%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.1515, 0.2738, 0.2942 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 18.1515, 0.2738, 0.2942 by changing the saturation by 10% instead.

■ 18.1515, 0.2738,
0.2942

■ 18.1515, 0.2738,
0.2942

■ 241.7236, 0.2961,
0.3143

■ 11.0588, 0.2670,
0.2880

■ 40.2953, 0.2827,
0.3023

■ 6.1064, 0.2575,
0.2792

■ 56.1152, 0.2858,
0.3051

■ 2.9099, 0.2430,
0.2658

■ 75.6130, 0.2883,
0.3073

■ 1.0849, 0.2185,
0.2427

■ 99.1730, 0.2904,
0.3092

■ 0.0000, 0.0000,
0.0000

■ 127.1797, 0.2921,
0.3108

■ 160.0174, 0.2936,

0.3121

198.0706, 0.2949,
0.3133

■ 18.1515, 0.2738,
0.2942

■ 18.1515, 0.2738,
0.2942

■ 15.7622, 0.2579,
0.2780

■ 20.8028, 0.2895,
0.3090

■ 13.6235, 0.2421,
0.2606

■ 23.7228, 0.3048,
0.3224

■ 11.7260, 0.2268,
0.2421

■ 26.9205, 0.3194,
0.3344

■ 10.0591, 0.2126,
0.2229

■ 30.4037, 0.3332,
0.3450

■ 8.6110, 0.1999,
0.2034

■ 34.1801, 0.3461,
0.3544

■ 7.3685, 0.1892,
0.1842

■ 38.2569, 0.3582,
0.3627

■ 6.3136, 0.1807,
0.1657

■ 42.6411, 0.3695,
0.3700

■ 5.8720, 0.1771,
0.1574

■ 47.3395, 0.3799,
0.3764

■ 52.3586, 0.3895,
0.3819

Harmonies

Analogous

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



18.1515, 0.2690, 0.3072



18.1515, 0.2738, 0.2942



18.1515, 0.2888, 0.2906

Triad

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



18.1515, 0.2738, 0.2942



18.1515, 0.3515, 0.3289



18.1515, 0.3135, 0.3646

Complementary

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



18.1515, 0.2738, 0.2942



20.0384, 0.3563, 0.3614

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.



18.1515, 0.3361, 0.3699



18.1515, 0.2738, 0.2942



18.1515, 0.3585, 0.3482

Square

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



18.1515, 0.2738, 0.2942



18.1515, 0.3337, 0.3104



18.1515, 0.3527, 0.3634



18.1515, 0.2914, 0.3486

Rectangle

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



18.1515, 0.2738, 0.2942



18.1515, 0.3028, 0.2936



18.1515, 0.3527, 0.3634



18.1515, 0.3213, 0.3677

Sweetspot

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



18.1522, 0.2738, 0.2942



40.3419, 0.3006, 0.3188



22.4223, 0.2927, 0.3628



8.8904, 0.2985, 0.3170



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



18.1522, 0.2738, 0.2942



29.7323, 0.2654, 0.2859



14.4074, 0.2709, 0.2598



5.2680, 0.2991, 0.3175



5.4138, 0.1772, 0.1580



0.0651, 0.1988, 0.2357

Inverse Universe

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



16.4505, 0.3395, 0.2984



26.4140, 0.3467, 0.2917



24.5545, 0.3496, 0.3900



5.0865, 0.3210, 0.3184



5.3307, 0.4956, 0.2504



0.0384, 0.4067, 0.2014

Previews

White Background



This preview shows how the Yxy color 18.1515, 0.2738, 0.2942 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 18.1515, 0.2738, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

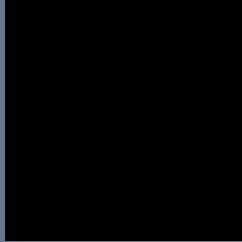
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

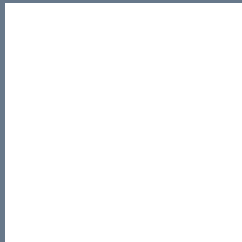
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.1515, 0.2738, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 18.1515, 0.2738, 0.2942.



This preview shows how white text looks on a background with the Yxy color 18.1515, 0.2738, 0.2942.

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

18.1515, 0.2738, 0.2942

Protanopia

18.1450, 0.2889, 0.2933

Deuteranopia

18.0475, 0.2903, 0.2847



Tritanopia

18.0801, 0.2787, 0.3091

Trichromacy



Original Color

18.1515, 0.2738, 0.2942

Protanomaly

18.1425, 0.2833, 0.2929

Deuteranomaly

18.0974, 0.2835, 0.2877

Tritanomaly

18.2208, 0.2768, 0.3035

Monochromacy



Original Color

18.1515, 0.2738, 0.2942

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.8823, 0.2973, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.1515, 0.2738, 0.2942 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, 120, 138)` looks like.

```
.text, #text, p{  
    color:rgb(103, 120, 138)  
}
```

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, 120, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 120, 138) }
```

Border

The CSS property to change the border of an element to Yxy 18.1515, 0.2738, 0.2942 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, 120, 138) }
```

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

```
.border{ border-color:rgb(103, 120, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 120, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 120, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 120, 138);  
box-shadow:4px 4px 4px 4px rgb(103, 120,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 18.1515, 0.2738, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 120, 138) }
```

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

```
.background{ background-color: rgb(103,  
120, 138) }
```

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