

Converting Colors

$Y_{xy}(12.9545, 0.2730, 0.3061)$

Have a look what the booklet for
Yxy(12.9545, 0.2730, 0.3061)
contains.

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Color

Yxy(12.9545, 0.2730, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	536872
RGB	83, 104, 114
RGB Percent	33%, 41%, 45%
CMY	0.6746, 0.5921, 0.5529
CMYK	0.27, 0.09, 0.00, 0.55
HSL	199°, 16%, 39%
HSV	199°, 27%, 45%
XYZ	11.5537, 12.9545, 17.8130
YIQ	98.8610, -15.7260, -1.3420

Conversions

Conversions Part 2

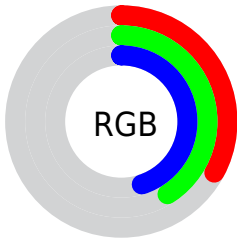
Format	Color
R_{YB}	83, 96, 114
Decimal	5466226
CIE _{Lab}	42.69, -5.31, -8.19
CIE _{LCh}	43, 9.758, 237.030
Yxy	12.9545, 0.2730, 0.3061
Android (android.graphics.Color)	4283656306 (0xFF536872)
YUV	98.8610, 7.4635, -13.9101
Hunter-Lab	35.9924, -5.6875, -4.1485

Details

The Yxy color **12.9545, 0.2730, 0.3061** is a dark color, and the websafe version is hex **666666**, and the color name is **cadet**. A complement of this color would be **12.0273, 0.3620, 0.3508**, and the grayscale version is **12.4238, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1824, 0.2826, 0.3116**, and **3.7129, 0.2542, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **11.7547, 0.2588, 0.2963**, and if you desaturate by 10%, it is **14.2728, 0.2876, 0.3152**.

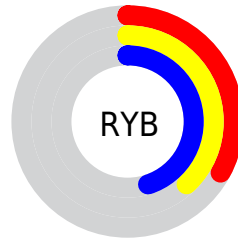
Distribution



Red (33%)

Green (41%)

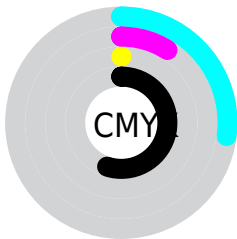
Blue (45%)



Red (33%)

Yellow (38%)

Blue (45%)

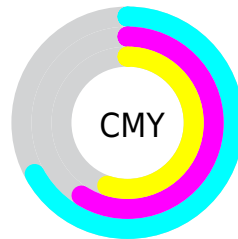


Cyan (27%)

Magenta (9%)

Yellow (0%)

Black (55%)



Cyan (67%)

Magenta (59%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9545, 0.2730, 0.3061 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 12.9545, 0.2730, 0.3061 by changing the saturation by 10% instead.

■ 12.9545, 0.2730,
0.3061

■ 12.9545, 0.2730,
0.3061

■ 210.6259, 0.2968,
0.3201

■ 7.3972, 0.2651,
0.3012

■ 31.2220, 0.2829,
0.3121

■ 3.7117, 0.2534,
0.2938

■ 44.7010, 0.2862,
0.3140

■ 1.5137, 0.2343,
0.2811

■ 61.5894, 0.2888,
0.3156

■ 0.2983, 0.1141,
0.2211

■ 82.2716, 0.2910,
0.3168

■ 0.0000, 0.0000,
0.0000

■ 107.1319, 0.2928,
0.3179

136.5548, 0.2943,

0.3187

170.9247, 0.2957,
0.3195

■ 12.9545, 0.2730,
0.3061

■ 12.9545, 0.2730,
0.3061

■ 11.7547, 0.2588,
0.2963

■ 14.2728, 0.2876,
0.3152

■ 10.6674, 0.2453,
0.2858

■ 15.7124, 0.3022,
0.3235

■ 9.6881, 0.2328,
0.2748

■ 17.2779, 0.3167,
0.3310

■ 8.8115, 0.2216,
0.2634

■ 18.9730, 0.3310,
0.3378

■ 8.0315, 0.2119,
0.2517

■ 20.8014, 0.3448,
0.3439

■ 7.3415, 0.2040,
0.2400

■ 22.7666, 0.3580,
0.3492

■ 6.7248, 0.1976,
0.2283

■ 24.8720, 0.3707,
0.3540

■ 6.5594, 0.1958,
0.2250

■ 27.1206, 0.3827,
0.3581

■ 29.5158, 0.3940,
0.3618

Harmonies

Analogous

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



12.9545, 0.2766, 0.3232



12.9545, 0.2730, 0.3061



12.9545, 0.2796, 0.2959

Triad

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



12.9545, 0.2730, 0.3061



12.9545, 0.3359, 0.3155



12.9545, 0.3298, 0.3659

Complementary

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



12.9545, 0.2730, 0.3061



12.0273, 0.3620, 0.3508

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.



12.9545, 0.3465, 0.3623



12.9545, 0.2730, 0.3061



12.9545, 0.3502, 0.3329

Square

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



12.9545, 0.2730, 0.3061



12.9545, 0.3154, 0.3016



12.9545, 0.3541, 0.3500



12.9545, 0.3089, 0.3588

Rectangle

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



12.9545, 0.2730, 0.3061



12.9545, 0.2890, 0.2940



12.9545, 0.3541, 0.3500



12.9545, 0.3361, 0.3659

Sweetspot

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



12.9550, 0.2730, 0.3061



27.3476, 0.3008, 0.3227



14.6611, 0.2981, 0.3784



6.2502, 0.2990, 0.3217



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



12.9550, 0.2730, 0.3061



21.3412, 0.2635, 0.2997



10.1427, 0.2696, 0.2695



3.6427, 0.2996, 0.3221



7.2701, 0.1957, 0.2244



34.6043, 0.1939, 0.2180

Inverse Universe

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



10.7608, 0.3314, 0.2846



16.8985, 0.3373, 0.2735



14.9945, 0.3542, 0.3822



3.4361, 0.3180, 0.3149



4.5798, 0.4186, 0.2079



22.6511, 0.4254, 0.2117

Previews

White Background



This preview shows how the Yxy color 12.9545, 0.2730, 0.3061 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 12.9545, 0.2730, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

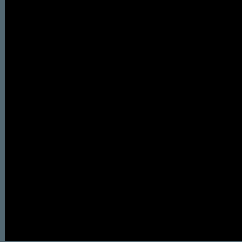
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

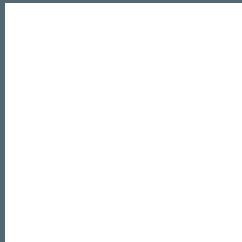
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.9545, 0.2730, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 12.9545, 0.2730, 0.3061.



This preview shows how white text looks on a background with the Yxy color 12.9545, 0.2730, 0.3061.

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

12.9545, 0.2730, 0.3061

Protanopia

12.9147, 0.2968, 0.3049

Deuteranopia

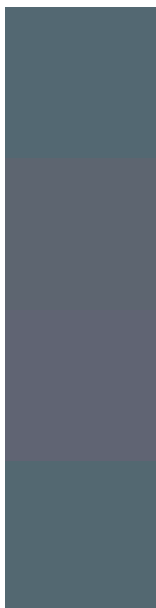
12.8567, 0.2972, 0.2927



Tritanopia

12.9319, 0.2741, 0.3083

Trichromacy



Original Color

12.9545, 0.2730, 0.3061

Protanomaly

12.8044, 0.2875, 0.3044

Deuteranomaly

12.8389, 0.2878, 0.2961

Tritanomaly

12.9319, 0.2741, 0.3083

Monochromacy



Original Color

12.9545, 0.2730, 0.3061

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.6340, 0.2975, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9545, 0.2730, 0.3061 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(83, 104, 114)` looks like.

```
.text, #text, p{  
    color:rgb(83, 104, 114)  
}
```

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(83, 104, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 104, 114) }
```

Border

The CSS property to change the border of an element to Yxy 12.9545, 0.2730, 0.3061 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(83, 104, 114) }
```

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

```
.border{ border-color:rgb(83, 104, 114) }
```

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

Here you see how a box with a 4 pixel rgb(83, 104, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 104, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 104, 114);  
box-shadow:4px 4px 4px 4px rgb(83, 104,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9545, 0.2730, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 104, 114) }
```

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

```
.background{ background-color: rgb(83, 104,  
114) }
```

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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