

Converting Colors

$Y_{xy}(12.3587, 0.2594, 0.3033)$

Have a look what the booklet for
Yxy(12.3587, 0.2594, 0.3033)
contains.

Yxy(12.2550, 0.2591, 0.3028)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(12.2550, 0.2591, 0.3028)$

Conversions

Conversions Part 1

Format	Color
Hex	476772
RGB	71, 103, 114
RGB Percent	28%, 40%, 45%
CMY	0.7215, 0.5961, 0.5530
CMYK	0.38, 0.10, 0.00, 0.55
HSL	195°, 23%, 36%
HSV	195°, 38%, 45%
XYZ	10.4864, 12.2550, 17.7309
YIQ	94.6860, -22.6030, -3.3630

Conversions

Conversions Part 2

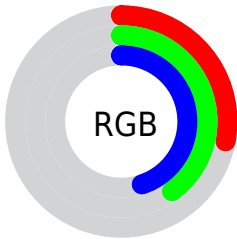
Format	Color
R_{YB}	71, 89, 114
Decimal	4679538
CIE _{Lab}	41.62, -8.55, -9.87
CIE _{LCh}	42, 13.059, 229.120
Yxy	12.2550, 0.2591, 0.3028
Android (android.graphics.Color)	4282869618 (0xFF476772)
YUV	94.6860, 9.5218, -20.7726
Hunter-Lab	35.0071, -7.7930, -5.5250

Details

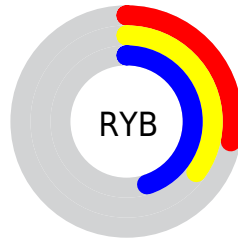
The Yxy color **12.2550, 0.2591, 0.3028** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.0678, 0.3895, 0.3535**, and the grayscale version is **11.3464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9293, 0.2722, 0.3094**, and **3.4039, 0.2327, 0.2879** is the 20% darker color. If you saturate the color by 10%, you get **11.2940, 0.2463, 0.2946**, and if you desaturate by 10%, it is **13.3180, 0.2728, 0.3105**.

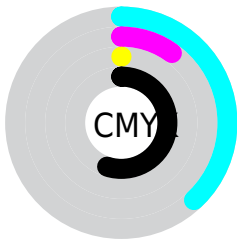
Distribution



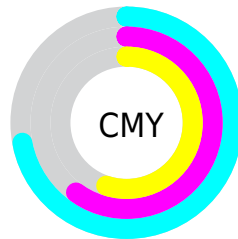
- Red (28%)
- Green (40%)
- Blue (45%)



- Red (28%)
- Yellow (35%)
- Blue (45%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (55%)



- Cyan (72%)
- Magenta (60%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.2550, 0.2591, 0.3028 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 12.2550, 0.2591, 0.3028 by changing the saturation by 10% instead.

■ 12.2550, 0.2591,
0.3028

■ 12.2550, 0.2591,
0.3028

■ 206.0862, 0.2913,
0.3192

■ 6.9176, 0.2484,
0.2970

■ 29.9587, 0.2725,
0.3098

■ 3.4106, 0.2326,
0.2879

■ 43.0938, 0.2770,
0.3121

■ 1.3497, 0.2068,
0.2720

■ 59.5968, 0.2805,
0.3139

■ 0.1792, 0.0000,
0.1683

■ 79.8523, 0.2835,
0.3154

■ 0.0000, 0.0000,
0.0000

■ 104.2446, 0.2859,
0.3166

133.1581, 0.2880,

0.3176

166.9772, 0.2898,
0.3184

■ 12.2550, 0.2591,
0.3028

■ 12.2550, 0.2591,
0.3028

■ 11.2940, 0.2463,
0.2946

■ 13.3180, 0.2728,
0.3105

■ 10.4290, 0.2346,
0.2860

■ 14.4861, 0.2870,
0.3177

■ 9.6551, 0.2244,
0.2771

■ 15.7638, 0.3015,
0.3243

■ 8.9667, 0.2158,
0.2680

■ 17.1549, 0.3161,
0.3303

■ 8.3570, 0.2089,
0.2589

■ 18.6630, 0.3305,
0.3358

■ 7.8085, 0.2034,
0.2498

■ 20.2918, 0.3446,
0.3406

■ 7.6860, 0.2021,
0.2477

■ 22.0443, 0.3583,
0.3449

■ 23.9239, 0.3715,
0.3487

■ 25.9335, 0.3841,
0.3521

Harmonies

Analogous

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



12.2550, 0.2673, 0.3277



12.2550, 0.2591, 0.3028



12.2550, 0.2643, 0.2866

Triad

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



12.2550, 0.2591, 0.3028



12.2550, 0.3373, 0.3051



12.2550, 0.3426, 0.3797

Complementary

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



12.2550, 0.2591, 0.3028



10.0678, 0.3895, 0.3535

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.



12.2550, 0.3628, 0.3706



12.2550, 0.2591, 0.3028



12.2550, 0.3600, 0.3275

Square

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



12.2550, 0.2591, 0.3028



12.2550, 0.3085, 0.2888



12.2550, 0.3695, 0.3512



12.2550, 0.3149, 0.3741

Rectangle

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



12.2550, 0.2591, 0.3028



12.2550, 0.2749, 0.2821



12.2550, 0.3695, 0.3512



12.2550, 0.3505, 0.3782

Sweetspot

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



12.2555, 0.2591, 0.3028



26.8782, 0.2963, 0.3220



13.9792, 0.2961, 0.4087



6.1642, 0.2948, 0.3214



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.



12.2555, 0.2591, 0.3028



20.0987, 0.2482, 0.2959



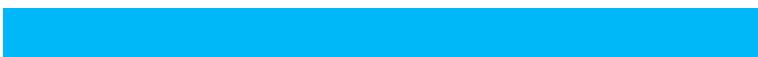
8.5530, 0.2517, 0.2493



3.6778, 0.2996, 0.3235



8.5293, 0.2020, 0.2472



41.0508, 0.2006, 0.2422

Inverse Universe

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



9.0644, 0.3357, 0.2614



13.8582, 0.3426, 0.2466



13.7825, 0.3735, 0.3975



3.4396, 0.3171, 0.3135



4.7069, 0.3950, 0.1950



23.3019, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 12.2550, 0.2591, 0.3028 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 12.2550, 0.2591, 0.3028 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

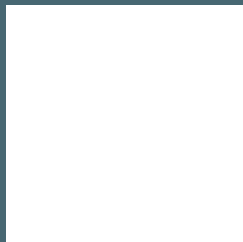
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.2550, 0.2591, 0.3028

Background



This preview shows how black text looks on a background with the Yxy color 12.2550, 0.2591, 0.3028.

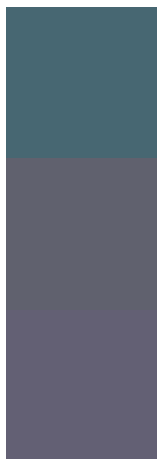


This preview shows how white text looks on a background with the Yxy color 12.2550, 0.2591, 0.3028.

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

12.2550, 0.2591, 0.3028

Protanopia

12.1620, 0.2938, 0.3000

Deuteranopia

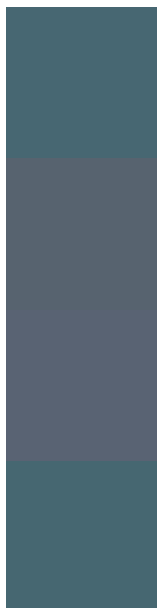
12.2793, 0.2903, 0.2856



Tritanopia

12.1724, 0.2601, 0.3073

Trichromacy



Original Color

12.2550, 0.2591, 0.3028

Protanomaly

12.0976, 0.2806, 0.3014

Deuteranomaly

12.2853, 0.2784, 0.2929

Tritanomaly

12.1948, 0.2590, 0.3050

Monochromacy



Original Color

12.2550, 0.2591, 0.3028

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.6731, 0.2902, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2550, 0.2591, 0.3028 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(71, 103, 114)` looks like.

```
.text, #text, p{  
    color:rgb(71, 103, 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(71, 103, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 103, 114) }
```

Border

The CSS property to change the border of an element to Yxy 12.2550, 0.2591, 0.3028 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(71, 103, 114) }
```

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

```
.border{ border-color:rgb(71, 103, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 103, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 103, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 103, 114);  
box-shadow:4px 4px 4px 4px rgb(71, 103,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 12.2550, 0.2591, 0.3028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 103, 114) }
```

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

```
.background{ background-color: rgb(71, 103,  
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](#).

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