

Converting Colors

$Y_{xy}(12.1973, 0.2822, 0.3095)$

Have a look what the booklet for
Yxy(12.1973, 0.2822, 0.3095)
contains.

Yxy(12.1755, 0.2830, 0.3104)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.1755, 0.2830, 0.3104)

Conversions

Conversions Part 1

Format	Color
Hex	56646C
RGB	86, 100, 108
RGB Percent	34%, 39%, 42%
CMY	0.6628, 0.6078, 0.5765
CMYK	0.20, 0.07, 0.00, 0.58
HSL	202°, 11%, 38%
HSV	202°, 20%, 42%
XYZ	11.1007, 12.1755, 15.9490
YIQ	96.7260, -10.9120, -0.4800

Conversions

Conversions Part 2

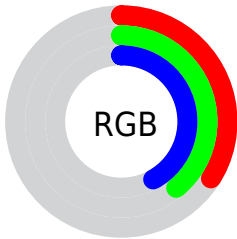
Format	Color
R_{YB}	86, 95, 108
Decimal	5661804
CIE Lab	41.49, -3.41, -6.30
CIE LCh	41, 7.166, 241.548
Yxy	12.1755, 0.2830, 0.3104
Android (android.graphics.Color)	4283851884 (0xFF56646C)
YUV	96.7260, 5.5581, -9.4067
Hunter-Lab	34.8934, -4.2768, -2.6747

Details

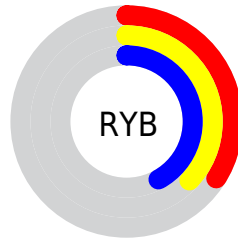
The Yxy color **12.1755, 0.2830, 0.3104** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.8607, 0.3470, 0.3469**, and the grayscale version is **11.8714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.8707, 0.2909, 0.3162**, and **3.3342, 0.2664, 0.2970** is the 20% darker color. If you saturate the color by 10%, you get **10.9676, 0.2684, 0.2999**, and if you desaturate by 10%, it is **13.4980, 0.2977, 0.3200**.

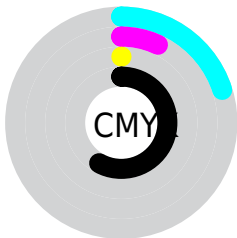
Distribution



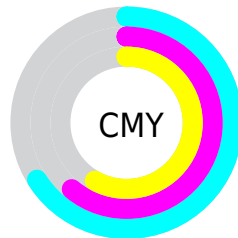
- Red (34%)
- Green (39%)
- Blue (42%)



- Red (34%)
- Yellow (37%)
- Blue (42%)



- Cyan (20%)
- Magenta (7%)
- Yellow (0%)
- Black (58%)



- Cyan (66%)
- Magenta (61%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.1755, 0.2830, 0.3104 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 12.1755, 0.2830, 0.3104 by changing the saturation by 10% instead.

■ 12.1755, 0.2830,
0.3104

■ 12.1755, 0.2830,
0.3104

■ 205.5637, 0.3010,
0.3219

■ 6.8633, 0.2769,
0.3064

■ 29.8143, 0.2906,
0.3153

■ 3.3768, 0.2677,
0.3002

■ 42.9098, 0.2931,
0.3169

■ 1.3315, 0.2521,
0.2895

■ 59.3684, 0.2951,
0.3181

■ 0.1654, 0.0859,
0.1923

■ 79.5747, 0.2967,
0.3192

■ 0.0000, 0.0000,
0.0000

■ 103.9130, 0.2980,
0.3200

132.7676, 0.2992,

0.3207

166.5231, 0.3002,
0.3213

■ 12.1755, 0.2830,
0.3104

■ 12.1755, 0.2830,
0.3104

■ 10.9676, 0.2684,
0.2999

■ 13.4980, 0.2977,
0.3200

■ 9.8689, 0.2541,
0.2887

■ 14.9375, 0.3122,
0.3287

■ 8.8756, 0.2405,
0.2767

■ 16.4979, 0.3264,
0.3365

■ 7.9832, 0.2279,
0.2640

■ 18.1825, 0.3401,
0.3436

■ 7.1866, 0.2166,
0.2510

■ 19.9947, 0.3532,
0.3498

6.4804, 0.2068,
0.2378

21.9376, 0.3657,
0.3553

5.8581, 0.1990,
0.2245

24.0140, 0.3775,
0.3602

5.3131, 0.1922,
0.2118

26.2270, 0.3886,
0.3644

28.5792, 0.3991,
0.3682

Harmonies

Analogous

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



12.1755, 0.2846, 0.3227



12.1755, 0.2830, 0.3104



12.1755, 0.2891, 0.3035

Triad

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



12.1755, 0.2830, 0.3104



12.1755, 0.3321, 0.3207



12.1755, 0.3234, 0.3562

Complementary

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



12.1755, 0.2830, 0.3104



11.8607, 0.3470, 0.3469

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.



12.1755, 0.3365, 0.3549



12.1755, 0.2830, 0.3104



12.1755, 0.3417, 0.3342

Square

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



12.1755, 0.2830, 0.3104



12.1755, 0.3173, 0.3096



12.1755, 0.3433, 0.3467



12.1755, 0.3076, 0.3497

Rectangle

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



12.1755, 0.2830, 0.3104



12.1755, 0.2969, 0.3026



12.1755, 0.3433, 0.3467



12.1755, 0.3283, 0.3566

Sweetspot

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



12.1760, 0.2830, 0.3104



24.7401, 0.3038, 0.3238



13.5035, 0.3009, 0.3626



5.9610, 0.3032, 0.3234



57.0482, 0.3127, 0.3290



6.3724, 0.3127, 0.3290

Same Dimension

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



12.1760, 0.2830, 0.3104



20.4481, 0.2767, 0.3060



10.2544, 0.2815, 0.2847



3.3162, 0.2997, 0.3213



6.2861, 0.1918, 0.2106



30.3387, 0.1898, 0.2033

Inverse Universe

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



10.7623, 0.3273, 0.2982



17.5867, 0.3310, 0.2915



13.8992, 0.3427, 0.3698



3.1462, 0.3185, 0.3158



4.3069, 0.4334, 0.2161



21.7749, 0.4416, 0.2206

Previews

White Background



This preview shows how the Yxy color 12.1755, 0.2830, 0.3104 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 12.1755, 0.2830, 0.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

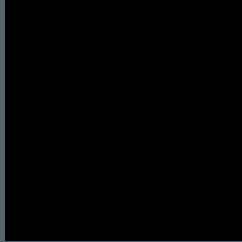
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

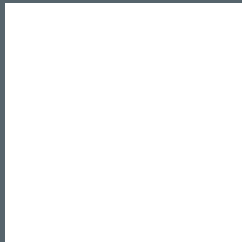
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.1755, 0.2830, 0.3104

Background



This preview shows how black text looks on a background with the Yxy color 12.1755, 0.2830, 0.3104.



This preview shows how white text looks on a background with the Yxy color 12.1755, 0.2830, 0.3104.

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

12.1755, 0.2830, 0.3104

Protanopia

12.1314, 0.3005, 0.3087

Deuteranopia

12.1133, 0.3037, 0.2983



Tritanopia

12.1755, 0.2830, 0.3104

Trichromacy



Original Color

12.1755, 0.2830, 0.3104

Protanomaly

12.1241, 0.2935, 0.3085

Deuteranomaly

12.1403, 0.2951, 0.3021

Tritanomaly

12.1755, 0.2830, 0.3104

Monochromacy



Original Color

12.1755, 0.2830, 0.3104

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

12.0021, 0.3013, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.1755, 0.2830, 0.3104 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(86, 100, 108) looks like.

```
.text, #text, p{  
    color:rgb(86, 100, 108)  
}
```

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(86, 100, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 100, 108) }
```

Border

The CSS property to change the border of an element to Yxy 12.1755, 0.2830, 0.3104 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(86, 100, 108) }
```

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

```
.border{ border-color:rgb(86, 100, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 100, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 100, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 100, 108);  
box-shadow:4px 4px 4px 4px rgb(86, 100,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 12.1755, 0.2830, 0.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 100, 108) }
```

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

```
.background{ background-color: rgb(86, 100,  
108) }
```

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