

Converting Colors

$Y_{xy}(12.8469, 0.2661, 0.2862)$

Have a look what the booklet for
Yxy(12.8469, 0.2661, 0.2862)
contains.

Yxy(12.7680, 0.2662, 0.2866)	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(12.7680, 0.2662, 0.2866)

Conversions

Conversions Part 1

Format	Color
Hex	546679
RGB	84, 102, 121
RGB Percent	33%, 40%, 47%
CMY	0.6705, 0.6000, 0.5256
CMYK	0.31, 0.16, 0.00, 0.53
HSL	211°, 18%, 40%
HSV	211°, 31%, 47%
XYZ	11.8592, 12.7680, 19.9227
YIQ	98.7840, -16.8270, 2.0930

Conversions

Conversions Part 2

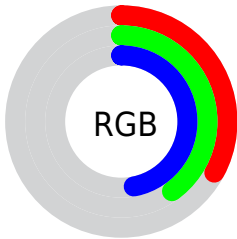
Format	Color
R_YB	84, 96, 121
Decimal	5531257
CIE _{Lab}	42.41, -1.93, -12.83
CIE _{LCh}	42, 12.977, 261.463
Yxy	12.7680, 0.2662, 0.2866
Android (android.graphics.Color)	4283721337 (0xFF546679)
YUV	98.7840, 10.9525, -12.9656
Hunter-Lab	35.7323, -3.2893, -8.0447

Details

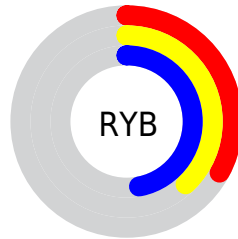
The Yxy color **12.7680, 0.2662, 0.2866** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.4057, 0.3661, 0.3679**, and the grayscale version is **12.3964, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8679, 0.2776, 0.2979**, and **3.5936, 0.2436, 0.2653** is the 20% darker color. If you saturate the color by 10%, you get **11.0815, 0.2505, 0.2700**, and if you desaturate by 10%, it is **14.6435, 0.2819, 0.3019**.

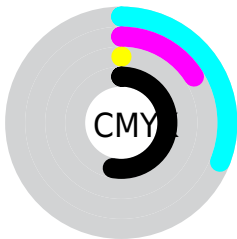
Distribution



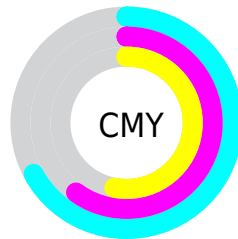
- Red (33%)
- Green (40%)
- Blue (47%)



- Red (33%)
- Yellow (38%)
- Blue (47%)



- Cyan (31%)
- Magenta (16%)
- Yellow (0%)
- Black (53%)



- Cyan (67%)
- Magenta (60%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.7680, 0.2662, 0.2866 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 12.7680, 0.2662, 0.2866 by changing the saturation by 10% instead.

■ 12.7680, 0.2662,
0.2866

■ 12.7680, 0.2662,
0.2866

■ 209.4254, 0.2941,
0.3122

■ 7.2690, 0.2570,
0.2780

■ 30.8864, 0.2778,
0.2973

■ 3.6309, 0.2434,
0.2652

■ 44.2745, 0.2816,
0.3009

■ 1.4693, 0.2213,
0.2442

■ 61.0611, 0.2848,
0.3037

■ 0.2670, 0.1231,
0.1590

■ 81.6306, 0.2873,
0.3060

■ 0.0000, 0.0000,
0.0000

■ 106.3674, 0.2894,
0.3080

135.6559, 0.2912,

0.3096

169.8804, 0.2927,
0.3110

■ 12.7680, 0.2662,
0.2866

■ 12.7680, 0.2662,
0.2866

■ 11.0815, 0.2505,
0.2700

■ 14.6435, 0.2819,
0.3019

■ 9.5756, 0.2351,
0.2523

■ 16.7131, 0.2972,
0.3158

■ 8.2432, 0.2204,
0.2336

■ 18.9834, 0.3119,
0.3284

■ 7.0764, 0.2070,
0.2145

■ 21.4603, 0.3260,
0.3396

■ 6.0662, 0.1952,
0.1953

■ 24.1495, 0.3392,
0.3495

■ 5.2023, 0.1855,
0.1765

■ 27.0562, 0.3516,
0.3583

■ 4.4920, 0.1776,
0.1594

■ 30.1857, 0.3632,
0.3660

■ 33.5430, 0.3739,
0.3728

■ 37.1329, 0.3839,
0.3788

Harmonies

Analogous

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



12.7680, 0.2600, 0.3017



12.7680, 0.2662, 0.2866



12.7680, 0.2844, 0.2829

Triad

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



12.7680, 0.2662, 0.2866



12.7680, 0.3603, 0.3294



12.7680, 0.3126, 0.3721

Complementary

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



12.7680, 0.2662, 0.2866



14.4057, 0.3661, 0.3679

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.



12.7680, 0.3400, 0.3788



12.7680, 0.2662, 0.2866



12.7680, 0.3684, 0.3525

Square

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



12.7680, 0.2662, 0.2866



12.7680, 0.3389, 0.3071



12.7680, 0.3607, 0.3709



12.7680, 0.2861, 0.3521

Rectangle

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



12.7680, 0.2662, 0.2866



12.7680, 0.3015, 0.2868



12.7680, 0.3607, 0.3709



12.7680, 0.3221, 0.3760

Sweetspot

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



12.7685, 0.2662, 0.2866



30.4560, 0.2992, 0.3176



16.5256, 0.2893, 0.3701



6.8564, 0.2974, 0.3160



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



12.7685, 0.2662, 0.2866



20.6116, 0.2546, 0.2745



9.6100, 0.2617, 0.2446



4.1854, 0.2994, 0.3177



4.7928, 0.1775, 0.1588



21.1704, 0.1750, 0.1500

Inverse Universe

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



11.3671, 0.3461, 0.2924



17.8776, 0.3571, 0.2832



18.3746, 0.3565, 0.4014



4.0445, 0.3208, 0.3186



4.6907, 0.4946, 0.2498



22.2043, 0.5059, 0.2561

Previews

White Background



This preview shows how the Yxy color 12.7680, 0.2662, 0.2866 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 12.7680, 0.2662, 0.2866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

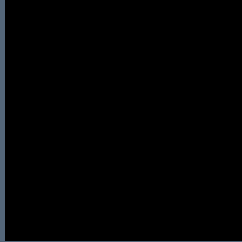
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

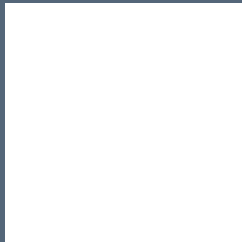
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 12.7680, 0.2662, 0.2866

Background



This preview shows how black text looks on a background with the Yxy color 12.7680, 0.2662, 0.2866.

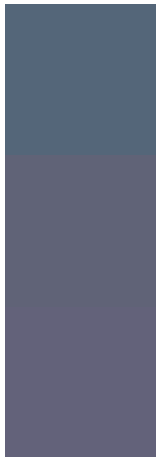


This preview shows how white text looks on a background with the Yxy color 12.7680, 0.2662, 0.2866.

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

12.7680, 0.2662, 0.2866

Protanopia

12.7424, 0.2828, 0.2857

Deuteranopia

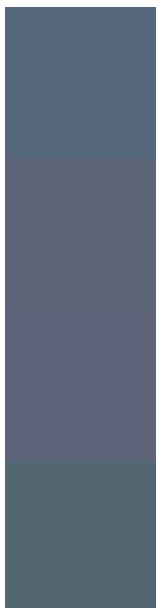
12.7932, 0.2831, 0.2780



Tritanopia

12.8643, 0.2740, 0.3105

Trichromacy



Original Color

12.7680, 0.2662, 0.2866

Protanomaly

12.7457, 0.2766, 0.2852

Deuteranomaly

12.7085, 0.2767, 0.2793

Tritanomaly

12.7773, 0.2717, 0.3016

Monochromacy



Original Color

12.7680, 0.2662, 0.2866

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5556, 0.2950, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7680, 0.2662, 0.2866 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(84, 102, 121) looks like.

```
.text, #text, p{  
  color:rgb(84, 102, 121)  
}
```

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(84, 102, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 102, 121) }
```

Border

The CSS property to change the border of an element to Yxy 12.7680, 0.2662, 0.2866 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(84, 102, 121) }
```

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

```
.border{ border-color:rgb(84, 102, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 102, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 102, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 102, 121);  
box-shadow:4px 4px 4px 4px rgb(84, 102,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7680, 0.2662, 0.2866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 102, 121) }
```

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

```
.background{ background-color: rgb(84, 102,  
121) }
```

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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