

Converting Colors

$Y_{xy}(10.1130, 0.2208, 0.2719)$

Have a look what the booklet for
Yxy(10.1130, 0.2208, 0.2719)
contains.

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Color

$Y_{xy}(10.0550, 0.2205, 0.2701)$

Conversions

Conversions Part 1

Format	Color
Hex	236077
RGB	35, 96, 119
RGB Percent	14%, 38%, 47%
CMY	0.8624, 0.6236, 0.5333
CMYK	0.71, 0.19, 0.00, 0.53
HSL	196°, 54%, 30%
HSV	196°, 71%, 47%
XYZ	8.2085, 10.0550, 18.9634
YIQ	80.3830, -43.7390, -5.7790

Conversions

Conversions Part 2

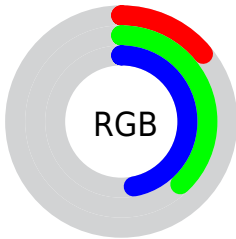
Format	Color
RYB	35, 70, 119
Decimal	2318455
CIELab	37.94, -11.49, -18.69
CIElCh	38, 21.940, 238.408
Yxy	10.0550, 0.2205, 0.2701
Android (android.graphics.Color)	4280508535 (0xFF236077)
YUV	80.3830, 19.0382, -39.8009
Hunter-Lab	31.7096, -9.2843, -13.2607

Details

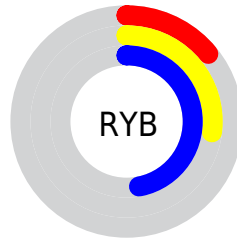
The Yxy color **10.0550, 0.2205, 0.2701** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7.0823, 0.4969, 0.3731**, and the grayscale version is **8.0744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.0319, 0.2441, 0.2876**, and **2.7361, 0.2001, 0.2404** is the 20% darker color. If you saturate the color by 10%, you get **9.2975, 0.2121, 0.2602**, and if you desaturate by 10%, it is **10.9087, 0.2306, 0.2798**.

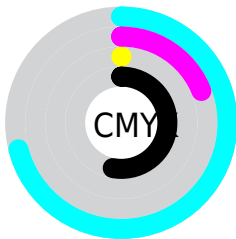
Distribution



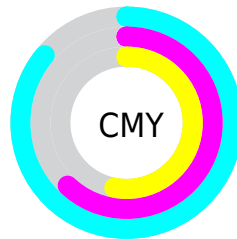
- Red (14%)
- Green (38%)
- Blue (47%)



- Red (14%)
- Yellow (27%)
- Blue (47%)



- Cyan (71%)
- Magenta (19%)
- Yellow (0%)
- Black (53%)





- Cyan (86%)
- Magenta (62%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0550, 0.2205, 0.2701 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 10.0550, 0.2205, 0.2701 by changing the saturation by 10% instead.


 10.0550, 0.2205,
0.2701


 10.0550, 0.2205,
0.2701


191.0642, 0.2763,
0.3075


 5.4354, 0.2021,
0.2566

 25.8989, 0.2437,
0.2863


 2.5049, 0.1752,
0.2356


 37.8920, 0.2515,
0.2915

 0.8791, 0.1270,
0.2012

 53.1118, 0.2577,
0.2956

 0.0000, 0.0000,
0.0000

 71.9426, 0.2628,
0.2989

 94.7689, 0.2670,
0.3016

 121.9749, 0.2706,

0.3039

153.9452, 0.2736,
0.3058

■ 10.0550, 0.2205,
0.2701

■ 10.0550, 0.2205,
0.2701

■ 9.2975, 0.2121,
0.2602

■ 10.9087, 0.2306,
0.2798

■ 8.6273, 0.2056,
0.2504

■ 11.8643, 0.2421,
0.2893

■ 8.0459, 0.2003,
0.2410

■ 12.9280, 0.2549,
0.2983

■ 14.1054, 0.2685,
0.3068

■ 15.4016, 0.2828,
0.3147

■ 16.8211, 0.2973,
0.3220

■ 18.3684, 0.3120,
0.3287

■ 20.0476, 0.3265,
0.3347

■ 21.8628, 0.3407,
0.3401

Harmonies

Analogous

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



10.0550, 0.2268, 0.3095



10.0550, 0.2205, 0.2701



10.0550, 0.2359, 0.2501

Triad

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



10.0550, 0.2205, 0.2701



10.0550, 0.3712, 0.2980



10.0550, 0.3494, 0.4219

Complementary

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



10.0550, 0.2205, 0.2701



7.0823, 0.4969, 0.3731

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.



10.0550, 0.3920, 0.4092



10.0550, 0.2205, 0.2701



10.0550, 0.4066, 0.3368

Square

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



10.0550, 0.2205, 0.2701



10.0550, 0.3202, 0.2672



10.0550, 0.4139, 0.3768



10.0550, 0.2990, 0.4045

Rectangle

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



10.0550, 0.2205, 0.2701



10.0550, 0.2573, 0.2479



10.0550, 0.4139, 0.3768



10.0550, 0.3652, 0.4207

Sweetspot

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



10.0554, 0.2205, 0.2701



27.3275, 0.2813, 0.3139



13.8549, 0.2865, 0.4934



6.3520, 0.2781, 0.3122



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.



10.0554, 0.2205, 0.2701



15.8320, 0.2076, 0.2537



4.3931, 0.1935, 0.1581



3.9935, 0.2995, 0.3231



8.5307, 0.2002, 0.2407



40.0863, 0.1988, 0.2355

Inverse Universe

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



5.9748, 0.3691, 0.2136



8.9879, 0.3872, 0.2014



13.0498, 0.4292, 0.4511



3.7416, 0.3174, 0.3137



4.8852, 0.4016, 0.1986



23.6561, 0.4069, 0.2015

Previews

White Background



This preview shows how the Yxy color 10.0550, 0.2205, 0.2701 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 10.0550, 0.2205, 0.2701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

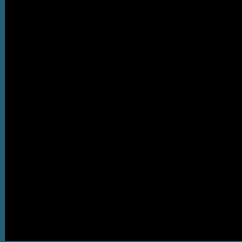
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0550, 0.2205, 0.2701

Background



This preview shows how black text looks on a background with the Yxy color 10.0550, 0.2205, 0.2701.



This preview shows how white text looks on a background with the Yxy color 10.0550, 0.2205, 0.2701.

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

10.0550, 0.2205, 0.2701

Protanopia

10.0107, 0.2707, 0.2700

Deuteranopia

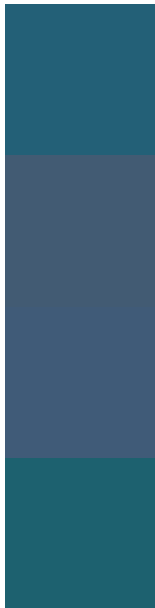
10.0654, 0.2575, 0.2529



Tritanopia

9.9956, 0.2271, 0.3069

Trichromacy



Original Color

10.0550, 0.2205, 0.2701

Protanomaly

9.8782, 0.2481, 0.2698

Deuteranomaly

9.9282, 0.2409, 0.2587

Tritanomaly

9.9583, 0.2239, 0.2915

Monochromacy



Original Color

10.0550, 0.2205, 0.2701

Achromatopsia

8.0220, 0.3127, 0.3290

Achromatomaly

8.5537, 0.2678, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0550, 0.2205, 0.2701 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(35, 96, 119)` looks like.

```
.text, #text, p{  
    color:rgb(35, 96, 119)  
}
```

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(35, 96, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 96, 119) }
```

Border

The CSS property to change the border of an element to Yxy 10.0550, 0.2205, 0.2701 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(35, 96, 119) }
```

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

```
.border{ border-color:rgb(35, 96, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 96, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 96, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 96, 119);  
box-shadow:4px 4px 4px 4px rgb(35, 96,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0550, 0.2205, 0.2701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 96, 119) }
```

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

```
.background{ background-color: rgb(35, 96,  
119) }
```

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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