

Converting Colors

$Y_{xy}(10.2026, 0.2245, 0.2796)$

Have a look what the booklet for
Yxy(10.2026, 0.2245, 0.2796)
contains.

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Color

Yxy(10.2037, 0.2247, 0.2799)

Conversions

Conversions Part 1

Format	Color
Hex	256174
RGB	37, 97, 116
RGB Percent	15%, 38%, 45%
CMY	0.8547, 0.6196, 0.5451
CMYK	0.68, 0.16, 0.00, 0.55
HSL	194°, 52%, 30%
HSV	194°, 68%, 45%
XYZ	8.1914, 10.2037, 18.0597
YIQ	81.2260, -41.8590, -6.8110

Conversions

Conversions Part 2

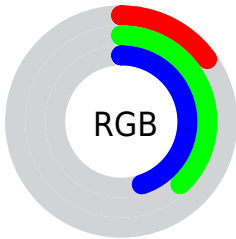
Format	Color
R_{YB}	37, 71, 116
Decimal	2449780
CIE _{Lab}	38.21, -12.79, -16.43
CIE _{LCh}	38, 20.820, 232.103
Yxy	10.2037, 0.2247, 0.2799
Android (android.graphics.Color)	4280639860 (0xFF256174)
YUV	81.2260, 17.1436, -38.7862
Hunter-Lab	31.9432, -10.1268, -11.1605

Details

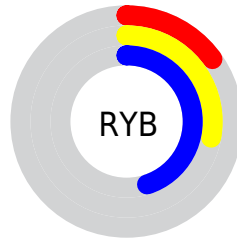
The Yxy color **10.2037, 0.2247, 0.2799** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6.6811, 0.4918, 0.3669**, and the grayscale version is **8.2503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2823, 0.2471, 0.2943**, and **2.7850, 0.2043, 0.2555** is the 20% darker color. If you saturate the color by 10%, you get **9.5153, 0.2164, 0.2714**, and if you desaturate by 10%, it is **10.9793, 0.2347, 0.2883**.

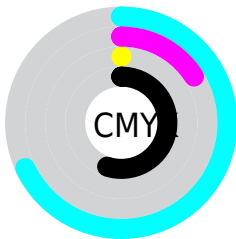
Distribution



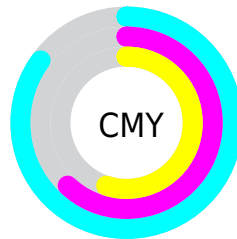
- Red (15%)
- Green (38%)
- Blue (45%)



- Red (15%)
- Yellow (28%)
- Blue (45%)



- Cyan (68%)
- Magenta (16%)
- Yellow (0%)
- Black (55%)



- Cyan (85%)
- Magenta (62%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2037, 0.2247, 0.2799 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 10.2037, 0.2247, 0.2799 by changing the saturation by 10% instead.

10.2037, 0.2247,
0.2799

10.2037, 0.2247,
0.2799

192.1198, 0.2780,
0.3113

5.5342, 0.2070,
0.2683

26.1779, 0.2469,
0.2936

2.5640, 0.1810,
0.2500

38.2515, 0.2544,
0.2980

0.9086, 0.1332,
0.2196

53.5619, 0.2603,
0.3015

0.0000, 0.0000,
0.0000

72.4935, 0.2651,
0.3042

95.4306, 0.2692,
0.3065

122.7578, 0.2726,

0.3083

154.8594, 0.2755,
0.3099

■ 10.2037, 0.2247,
0.2799

■ 10.2037, 0.2247,
0.2799

■ 9.5153, 0.2164,
0.2714

■ 10.9793, 0.2347,
0.2883

■ 8.9060, 0.2098,
0.2629

■ 11.8470, 0.2461,
0.2963

■ 8.3572, 0.2045,
0.2543

■ 12.8125, 0.2588,
0.3041

■ 8.2527, 0.2035,
0.2526

■ 13.8809, 0.2723,
0.3114

■ 15.0565, 0.2865,
0.3181

■ 16.3438, 0.3010,
0.3244

■ 17.7466, 0.3156,
0.3301

■ 19.2688, 0.3301,
0.3352

■ 20.9139, 0.3443,
0.3398

Harmonies

Analogous

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



10.2037, 0.2352, 0.3205



10.2037, 0.2247, 0.2799



10.2037, 0.2351, 0.2567

Triad

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



10.2037, 0.2247, 0.2799



10.2037, 0.3585, 0.2927



10.2037, 0.3572, 0.4163

Complementary

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



10.2037, 0.2247, 0.2799



6.6811, 0.4918, 0.3669

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.



10.2037, 0.3941, 0.3998



10.2037, 0.2247, 0.2799



10.2037, 0.3962, 0.3286

Square

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



10.2037, 0.2247, 0.2799



10.2037, 0.3095, 0.2656



10.2037, 0.4093, 0.3670



10.2037, 0.3100, 0.4058

Rectangle

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



10.2037, 0.2247, 0.2799



10.2037, 0.2530, 0.2518



10.2037, 0.4093, 0.3670



10.2037, 0.3713, 0.4134

Sweetspot

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



10.2041, 0.2247, 0.2799



25.9425, 0.2829, 0.3165



13.1650, 0.2890, 0.4933



6.0777, 0.2798, 0.3150



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



10.2041, 0.2247, 0.2799



16.0657, 0.2122, 0.2663



4.6926, 0.1993, 0.1721



4.0131, 0.2995, 0.3238



9.2328, 0.2034, 0.2522



43.6132, 0.2021, 0.2476

Inverse Universe

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



5.9027, 0.3600, 0.2120



8.6888, 0.3748, 0.1975



12.0217, 0.4288, 0.4435



3.7436, 0.3170, 0.3130



4.9560, 0.3901, 0.1922



24.0122, 0.3946, 0.1947

Previews

White Background



This preview shows how the Yxy color 10.2037, 0.2247, 0.2799 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 10.2037, 0.2247, 0.2799 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

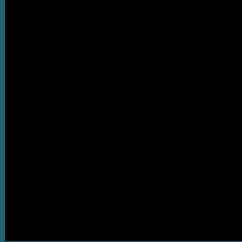
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2037, 0.2247, 0.2799

Background



This preview shows how black text looks on a background with the Yxy color 10.2037, 0.2247, 0.2799.

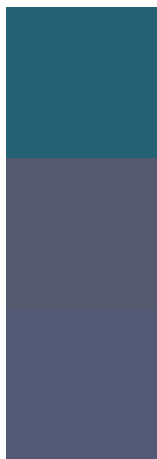


This preview shows how white text looks on a background with the Yxy color 10.2037, 0.2247, 0.2799.

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

10.2037, 0.2247, 0.2799

Protanopia

10.2018, 0.2775, 0.2793

Deuteranopia

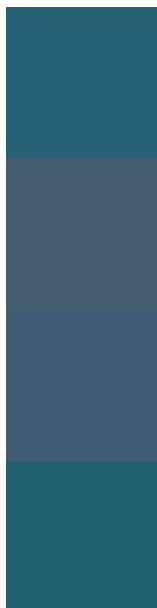
10.1265, 0.2648, 0.2596



Tritanopia

10.2765, 0.2296, 0.3073

Trichromacy



Original Color

10.2037, 0.2247, 0.2799

Protanomaly

10.0531, 0.2539, 0.2794

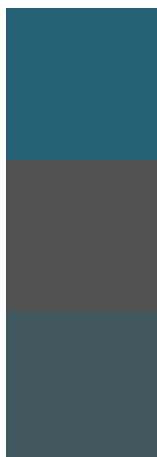
Deuteranomaly

9.9248, 0.2461, 0.2655

Tritanomaly

10.1845, 0.2277, 0.2969

Monochromacy



Original Color

10.2037, 0.2247, 0.2799

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.7484, 0.2695, 0.3099

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2037, 0.2247, 0.2799 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(37, 97, 116)` looks like.

```
.text, #text, p{  
    color:rgb(37, 97, 116)  
}
```

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(37, 97, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 97, 116) }
```

Border

The CSS property to change the border of an element to Yxy 10.2037, 0.2247, 0.2799 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(37, 97, 116) }
```

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

```
.border{ border-color:rgb(37, 97, 116) }
```

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

Here you see how a box with a 4 pixel rgb(37, 97, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 97, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 97, 116);  
box-shadow:4px 4px 4px 4px rgb(37, 97,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2037, 0.2247, 0.2799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 97, 116) }
```

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

```
.background{ background-color: rgb(37, 97,  
116) }
```

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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