

Converting Colors

$Y_{xy}(28.1232, 0.2573, 0.3397)$

Have a look what the booklet for
Yxy(28.1232, 0.2573, 0.3397)
contains.

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Color

$Y_{xy}(28.2472, 0.2575, 0.3414)$

Conversions

Conversions Part 1

Format	Color
Hex	559D96
RGB	85, 157, 150
RGB Percent	33%, 62%, 59%
CMY	0.6669, 0.3843, 0.4117
CMYK	0.46, 0.00, 0.04, 0.38
HSL	174°, 30%, 47%
HSV	174°, 46%, 62%
XYZ	21.3054, 28.2472, 33.1867
YIQ	134.6740, -40.6650, -17.4410

Conversions

Conversions Part 2

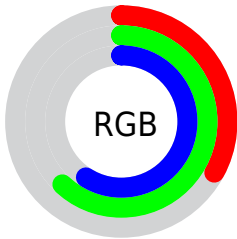
Format	Color
RYB	85, 123, 157
Decimal	5610902
CIELab	60.11, -24.34, -3.37
CIElCh	60, 24.569, 187.882
Yxy	28.2472, 0.2575, 0.3414
Android (android.graphics.Color)	4283800982 (0xFF559D96)
YUV	134.6740, 7.5557, -43.5641
Hunter-Lab	53.1481, -21.4542, 0.1818

Details

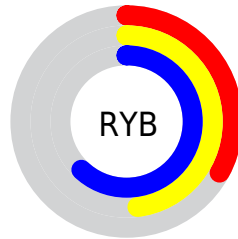
The Yxy color $28.2472, 0.2575, 0.3414$ is a dark color, and the websafe version is hex 339999 . A complement of this color would be $14.4304, 0.4202, 0.3178$, and the grayscale version is $24.0809, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.9356, 0.2688, 0.3394$, and $11.2509, 0.2387, 0.3451$ is the 20% darker color. If you saturate the color by 10%, you get $27.5448, 0.2491, 0.3446$, and if you desaturate by 10%, it is $29.1154, 0.2675, 0.3384$.

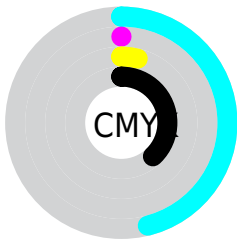
Distribution



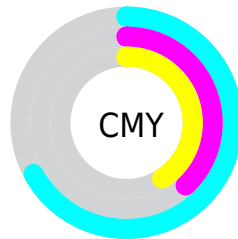
- Red (33%)
- Green (62%)
- Blue (59%)



- Red (33%)
- Yellow (48%)
- Blue (62%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)




- Cyan (67%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2472, 0.2575, 0.3414 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 28.2472, 0.2575, 0.3414 by changing the saturation by 10% instead.


 28.2472, 0.2575,
0.3414


 28.2472, 0.2575,
0.3414


293.6462, 0.2871,
0.3351


 18.5121, 0.2494,
0.3430


 56.8789, 0.2688,
0.3391


 11.3183, 0.2386,
0.3451


 76.5442, 0.2728,
0.3382

 6.2813, 0.2234,
0.3478


 100.2884, 0.2762,
0.3375

 3.0169, 0.2005,
0.3514

 128.4959, 0.2791,
0.3369

 1.1406, 0.1490,
0.3618

161.5510, 0.2815,
0.3363

 0.0123, 0.0000,
0.0472

199.8382, 0.2836,

 0.0000, 0.0000,

0.3358

0.0000

243.7418, 0.2855,
0.3354

■ 28.2472, 0.2575,
0.3414

■ 28.2472, 0.2575,
0.3414

■ 27.5448, 0.2491,
0.3446

■ 29.1154, 0.2675,
0.3384

■ 26.9941, 0.2425,
0.3478

■ 30.1561, 0.2788,
0.3355

■ 26.5839, 0.2377,
0.3511

■ 31.3796, 0.2913,
0.3328

■ 26.3000, 0.2347,
0.3543


■ 32.7941, 0.3046,
0.3304


■ 26.1231, 0.2334,
0.3576

■ 34.4079, 0.3185,
0.3281

 26.0626, 0.2330,
0.3589

 36.2282, 0.3326,
0.3261

 38.2624, 0.3469,
0.3243

 40.5170, 0.3611,
0.3227

 42.9987, 0.3750,
0.3213

Harmonies

Analogous

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



28.2472, 0.2901, 0.3787



28.2472, 0.2575, 0.3414



28.2472, 0.2398, 0.3029

Triad

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



28.2472, 0.2575, 0.3414



28.2472, 0.2913, 0.2678



28.2472, 0.3902, 0.3776

Complementary

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



28.2472, 0.2575, 0.3414



14.4304, 0.4202, 0.3178

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.



28.2472, 0.3915, 0.3467



28.2472, 0.2575, 0.3414



28.2472, 0.3323, 0.2859

Square

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



28.2472, 0.2575, 0.3414



28.2472, 0.2583, 0.2636



28.2472, 0.3699, 0.3140



28.2472, 0.3671, 0.3984

Rectangle

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



28.2472, 0.2575, 0.3414



28.2472, 0.2380, 0.2829



28.2472, 0.3699, 0.3140



28.2472, 0.3933, 0.3680

Sweetspot

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



28.2483, 0.2575, 0.3414



56.5784, 0.2934, 0.3324



27.0555, 0.3123, 0.4662



12.3444, 0.2908, 0.3329



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.2483, 0.2575, 0.3414



49.3055, 0.2490, 0.3446



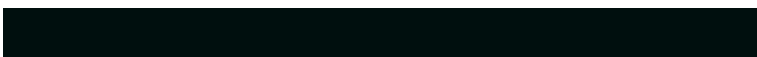
19.8507, 0.2433, 0.2748



7.4984, 0.3001, 0.3312



21.1680, 0.2330, 0.3586



0.3814, 0.2293, 0.3456

Inverse Universe

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



14.4304, 0.4202, 0.3178



21.4303, 0.4592, 0.3160



19.8080, 0.4093, 0.3765



6.6561, 0.3269, 0.3269



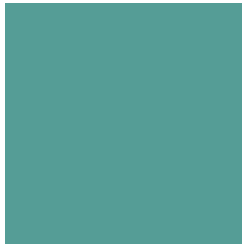
5.8532, 0.6260, 0.3222



0.1074, 0.5681, 0.2903

Previews

White Background



This preview shows how the Yxy color 28.2472, 0.2575, 0.3414 looks on a white 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

Black Background



This preview shows how the Yxy color 28.2472, 0.2575, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

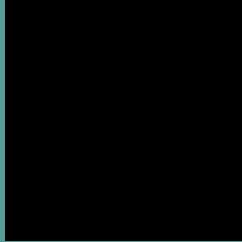
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2472, 0.2575, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 28.2472, 0.2575, 0.3414.

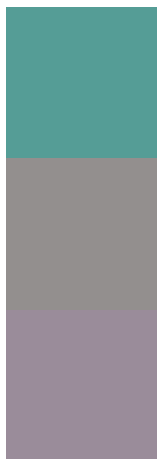


This preview shows how white text looks on a background with the Yxy color 28.2472, 0.2575, 0.3414.

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

28.2472, 0.2575, 0.3414

Protanopia

27.8010, 0.3180, 0.3306

Deuteranopia

27.9593, 0.3137, 0.3074



Tritanopia

28.0749, 0.2483, 0.3065

Trichromacy



Original Color

28.2472, 0.2575, 0.3414

Protanomaly

27.5092, 0.2916, 0.3340

Deuteranomaly

27.5248, 0.2892, 0.3173

Tritanomaly

28.0906, 0.2513, 0.3183

Monochromacy



Original Color

28.2472, 0.2575, 0.3414

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3203, 0.2890, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2472, 0.2575, 0.3414 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(85, 157, 150)` looks like.

```
.text, #text, p{  
  color:rgb(85, 157, 150)  
}
```

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(85, 157, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 157, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.2472, 0.2575, 0.3414 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(85, 157, 150) }
```

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

```
.border{ border-color:rgb(85, 157, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 157, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 157, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 157, 150);  
box-shadow:4px 4px 4px 4px rgb(85, 157,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2472, 0.2575, 0.3414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 157, 150) }
```

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

```
.background{ background-color: rgb(85, 157,  
150) }
```

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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