

Converting Colors

$Yxy(28.4574, 0.2587, 0.3412)$

Have a look what the booklet for
Yxy(28.4574, 0.2587, 0.3412)
contains.

Yxy(28.3422, 0.2589, 0.3414)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(28.3422, 0.2589, 0.3414)$

Conversions

Conversions Part 1

Format	Color
Hex	579D96
RGB	87, 157, 150
RGB Percent	34%, 62%, 59%
CMY	0.6587, 0.3843, 0.4119
CMYK	0.45, 0.00, 0.04, 0.38
HSL	174°, 29%, 48%
HSV	174°, 45%, 62%
XYZ	21.4933, 28.3422, 33.1821
YIQ	135.2720, -39.4730, -17.0170

Conversions

Conversions Part 2

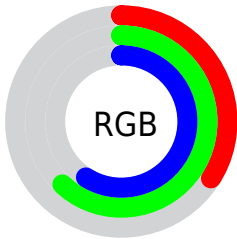
Format	Color
R_{YB}	87, 124, 157
Decimal	5741974
CIE _{Lab}	60.20, -23.81, -3.22
CIE _{LCh}	60, 24.030, 187.691
Yxy	28.3422, 0.2589, 0.3414
Android (android.graphics.Color)	4283932054 (0xFF579D96)
YUV	135.2720, 7.2609, -42.3345
Hunter-Lab	53.2374, -21.1006, 0.3115

Details

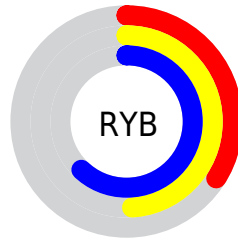
The Yxy color **28.3422, 0.2589, 0.3414** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **14.7995, 0.4152, 0.3177**, and the grayscale version is **24.3213, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.1093, 0.2699, 0.3393**, and **11.2953, 0.2404, 0.3451** is the 20% darker color. If you saturate the color by 10%, you get **27.6173, 0.2503, 0.3446**, and if you desaturate by 10%, it is **29.2344, 0.2691, 0.3383**.

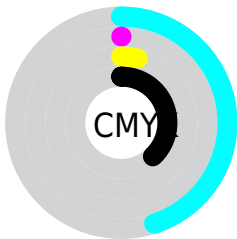
Distribution



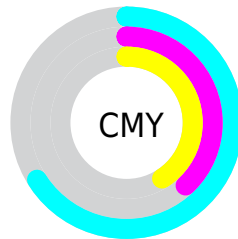
- Red (34%)
- Green (62%)
- Blue (59%)



- Red (34%)
- Yellow (49%)
- Blue (62%)



- Cyan (45%)
- Magenta (0%)
- Yellow (4%)
- Black (38%)




- Cyan (66%)
- Magenta (38%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3422, 0.2589, 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 28.3422, 0.2589, 0.3414 by changing the saturation by 10% instead.


 28.3422, 0.2589,
0.3414


 28.3422, 0.2589,
0.3414


294.0985, 0.2877,
0.3350


 18.5838, 0.2510,
0.3430


 57.0303, 0.2699,
0.3391

 11.3699, 0.2405,
0.3451


 76.7288, 0.2738,
0.3382

 6.3162, 0.2256,
0.3479


 100.5094, 0.2771,
0.3375

 3.0383, 0.2033,
0.3516

 128.7566, 0.2799,
0.3368

 1.1518, 0.1543,
0.3616

161.8547, 0.2823,
0.3363

 0.0218, 0.0000,
0.0805

200.1881, 0.2844,

 0.0000, 0.0000,

0.3358

0.0000

244.1412, 0.2861,
0.3354

■ 28.3422, 0.2589,
0.3414

■ 28.3422, 0.2589,
0.3414

■ 27.6173, 0.2503,
0.3446

■ 29.2344, 0.2691,
0.3383

■ 27.0455, 0.2434,
0.3480

■ 30.3004, 0.2805,
0.3354

■ 26.6160, 0.2384,
0.3514


■ 31.5502, 0.2931,
0.3326

■ 26.3148, 0.2352,
0.3548

■ 32.9924, 0.3064,
0.3301


■ 26.1251, 0.2338,
0.3581

■ 34.6347, 0.3203,
0.3278

 26.0444, 0.2333,
0.3599

 36.4846, 0.3345,
0.3257

 38.5492, 0.3487,
0.3239

 40.8353, 0.3627,
0.3223

 43.3492, 0.3765,
0.3209

Harmonies

Analogous

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



28.3422, 0.2909, 0.3777



28.3422, 0.2589, 0.3414



28.3422, 0.2415, 0.3038

Triad

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



28.3422, 0.2589, 0.3414



28.3422, 0.2916, 0.2690



28.3422, 0.3885, 0.3765

Complementary

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



28.3422, 0.2589, 0.3414



14.7995, 0.4152, 0.3177

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.



28.3422, 0.3896, 0.3462



28.3422, 0.2589, 0.3414



28.3422, 0.3316, 0.2866

Square

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



28.3422, 0.2589, 0.3414



28.3422, 0.2594, 0.2650



28.3422, 0.3683, 0.3141



28.3422, 0.3661, 0.3968

Rectangle

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



28.3422, 0.2589, 0.3414



28.3422, 0.2396, 0.2842



28.3422, 0.3683, 0.3141



28.3422, 0.3914, 0.3671

Sweetspot

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



28.3433, 0.2589, 0.3414



56.8223, 0.2948, 0.3323



27.2463, 0.3135, 0.4612



12.3931, 0.2921, 0.3328



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.



28.3433, 0.2589, 0.3414



49.5229, 0.2507, 0.3445



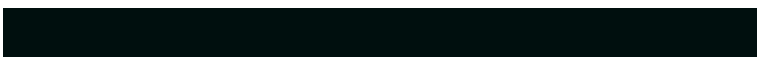
20.4756, 0.2456, 0.2789



7.4980, 0.3001, 0.3312



21.1558, 0.2332, 0.3597



0.3813, 0.2295, 0.3461

Inverse Universe

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



14.7995, 0.4152, 0.3177



22.2371, 0.4504, 0.3158



19.8589, 0.4065, 0.3733



6.6564, 0.3269, 0.3268



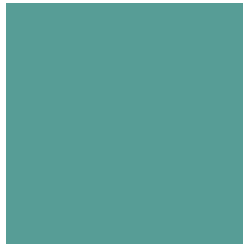
5.8544, 0.6254, 0.3219



0.1075, 0.5661, 0.2892

Previews

White Background



This preview shows how the Yxy color 28.3422, 0.2589, 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 28.3422, 0.2589, 0.3414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

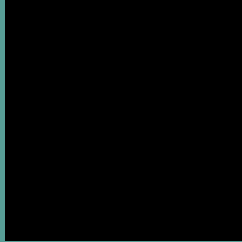
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3422, 0.2589, 0.3414

Background



This preview shows how black text looks on a background with the Yxy color 28.3422, 0.2589, 0.3414.

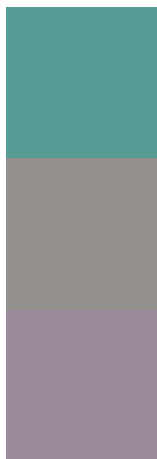


This preview shows how white text looks on a background with the Yxy color 28.3422, 0.2589, 0.3414.

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

28.3422, 0.2589, 0.3414

Protanopia

28.1026, 0.3179, 0.3322

Deuteranopia

27.9593, 0.3137, 0.3074



Tritanopia

28.1765, 0.2496, 0.3066

Trichromacy



Original Color

28.3422, 0.2589, 0.3414

Protanomaly

27.8992, 0.2926, 0.3357

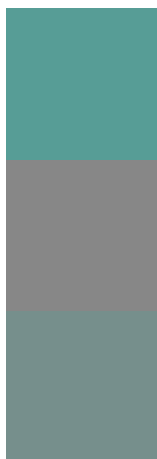
Deuteranomaly

27.6035, 0.2901, 0.3174

Tritanomaly

28.1896, 0.2527, 0.3184

Monochromacy



Original Color

28.3422, 0.2589, 0.3414

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3899, 0.2900, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3422, 0.2589, 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(87, 157, 150)` looks like.

```
.text, #text, p{  
    color:rgb(87, 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(87, 157, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 157, 150) }
```

Border

The CSS property to change the border of an element to Yxy 28.3422, 0.2589, 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(87, 157, 150) }
```

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

```
.border{ border-color:rgb(87, 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(87, 157, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 157, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 157, 150);  
box-shadow:4px 4px 4px 4px rgb(87, 157,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3422, 0.2589, 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(87, 157, 150) }
```

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

```
.background{ background-color: rgb(87, 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](#).

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