

Converting Colors

$Y_{xy}(28.2038, 0.2865, 0.3936)$

Have a look what the booklet for
Yxy(28.2038, 0.2865, 0.3936)
contains.

Yxy(28.3457, 0.2868, 0.3953)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.3457, 0.2868, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	609E7A
RGB	96, 158, 122
RGB Percent	38%, 62%, 48%
CMY	0.6234, 0.3804, 0.5216
CMYK	0.39, 0.00, 0.23, 0.38
HSL	145°, 24%, 50%
HSV	145°, 39%, 62%
XYZ	20.5655, 28.3457, 22.7956
YIQ	135.3580, -25.3960, -24.3400

Conversions

Conversions Part 2

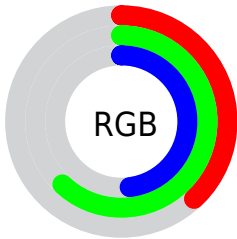
Format	Color
R_{YB}	96, 140, 158
Decimal	6332026
CIE _{Lab}	60.20, -28.28, 12.62
CIE _{LCh}	60, 30.964, 155.945
Yxy	28.3457, 0.2868, 0.3953
Android (android.graphics.Color)	4284522106 (0xFF609E7A)
YUV	135.3580, -6.5855, -34.5170
Hunter-Lab	53.2407, -24.2212, 11.8828

Details

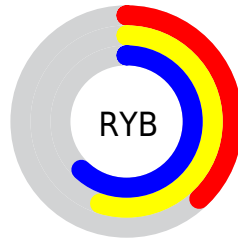
The Yxy color $28.3457, 0.2868, 0.3953$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $17.3081, 0.3521, 0.2714$, and the grayscale version is $24.4034, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.0341, 0.2930, 0.3812$, and $11.3470, 0.2767, 0.4220$ is the 20% darker color. If you saturate the color by 10%, you get $27.3570, 0.2817, 0.4161$, and if you desaturate by 10%, it is $29.5305, 0.2928, 0.3760$.

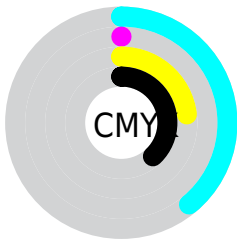
Distribution



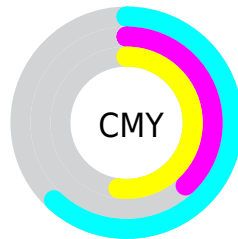
- Red (38%)
- Green (62%)
- Blue (48%)



- Red (38%)
- Yellow (55%)
- Blue (62%)



- Cyan (39%)
- Magenta (0%)
- Yellow (23%)
- Black (38%)




- Cyan (62%)
- Magenta (38%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3457, 0.2868, 0.3953 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 28.3457, 0.2868, 0.3953 by changing the saturation by 10% instead.


 28.3457, 0.2868,
0.3953


 28.3457, 0.2868,
0.3953


294.1151, 0.3015,
0.3580

 18.5864, 0.2824,
0.4063


 57.0359, 0.2926,
0.3806


 11.3718, 0.2762,
0.4217


 76.7356, 0.2947,
0.3754

 6.3175, 0.2669,
0.4446


 100.5176, 0.2964,
0.3712

 3.0391, 0.2515,
0.4820

 128.7662, 0.2977,
0.3677

 1.1522, 0.2035,
0.6121

161.8659, 0.2989,
0.3647

 0.0221, 0.0000,
1.0000

200.2010, 0.2999,

 0.0000, 0.0000,

0.3621

0.0000

244.1559, 0.3008,
0.3599

■ 28.3457, 0.2868,
0.3953

■ 28.3457, 0.2868,
0.3953

■ 27.3570, 0.2817,
0.4161

■ 29.5305, 0.2928,
0.3760

■ 26.5498, 0.2779,
0.4379

■ 30.9181, 0.2993,
0.3582

■ 25.9134, 0.2756,
0.4602

■ 32.5188, 0.3062,
0.3422

■ 25.4340, 0.2750,
0.4824


■ 34.3416, 0.3133,
0.3279

■ 25.0958, 0.2762,
0.5036

■ 36.3946, 0.3203,
0.3153

 24.8654, 0.2789,
0.5233

 38.6857, 0.3271,
0.3041

 24.8488, 0.2791,
0.5248

 41.2223, 0.3338,
0.2943

 44.0117, 0.3401,
0.2857

 47.0606, 0.3461,
0.2783

Harmonies

Analogous

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



28.3457, 0.3369, 0.4205



28.3457, 0.2868, 0.3953



28.3457, 0.2458, 0.3475

Triad

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



28.3457, 0.2868, 0.3953



28.3457, 0.2430, 0.2483



28.3457, 0.4113, 0.3470

Complementary

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



28.3457, 0.2868, 0.3953



17.3081, 0.3521, 0.2714

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.



28.3457, 0.3821, 0.3072



28.3457, 0.2868, 0.3953



28.3457, 0.2824, 0.2528

Square

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



28.3457, 0.2868, 0.3953



28.3457, 0.2224, 0.2632



28.3457, 0.3335, 0.2739



28.3457, 0.4108, 0.3860

Rectangle

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



28.3457, 0.2868, 0.3953



28.3457, 0.2284, 0.3135



28.3457, 0.3335, 0.2739



28.3457, 0.4046, 0.3335

Sweetspot

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



28.3469, 0.2868, 0.3953



58.1365, 0.3041, 0.3469



30.2186, 0.3424, 0.4332



13.0264, 0.3033, 0.3488



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.3469, 0.2868, 0.3953



49.8954, 0.2823, 0.4133



29.2365, 0.2634, 0.3379



7.4448, 0.3062, 0.3423



19.9092, 0.2787, 0.5233



0.3642, 0.2571, 0.4454

Inverse Universe

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



17.3081, 0.3521, 0.2714



26.9879, 0.3646, 0.2590



16.5844, 0.3993, 0.3207



6.7075, 0.3198, 0.3161



6.4461, 0.4583, 0.2298



0.1236, 0.3915, 0.1930

Previews

White Background



This preview shows how the Yxy color 28.3457, 0.2868, 0.3953 looks on a white background.

Color Contrast Check

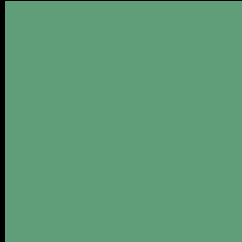
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3457, 0.2868, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

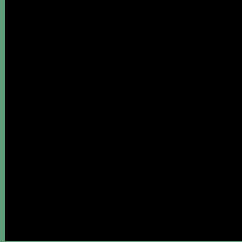
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3457, 0.2868, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 28.3457, 0.2868, 0.3953.



This preview shows how white text looks on a background with the Yxy color 28.3457, 0.2868, 0.3953.

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

28.3457, 0.2868, 0.3953

Protanopia

27.9566, 0.3522, 0.3758

Deuteranopia

27.9709, 0.3559, 0.3491



Tritanopia

28.2373, 0.2605, 0.3070

Trichromacy



Original Color

28.3457, 0.2868, 0.3953

Protanomaly

27.7084, 0.3246, 0.3822

Deuteranomaly

27.6139, 0.3270, 0.3641

Tritanomaly

28.1059, 0.2698, 0.3376

Monochromacy



Original Color

28.3457, 0.2868, 0.3953

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3216, 0.3022, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3457, 0.2868, 0.3953 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(96, 158, 122) looks like.

```
.text, #text, p{  
    color:rgb(96, 158, 122)  
}
```

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(96, 158, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 158, 122) }
```

Border

The CSS property to change the border of an element to Yxy 28.3457, 0.2868, 0.3953 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(96, 158, 122) }
```

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

```
.border{ border-color:rgb(96, 158, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 158, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 158, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 158, 122);  
box-shadow:4px 4px 4px 4px rgb(96, 158,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3457, 0.2868, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 158, 122) }
```

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

```
.background{ background-color: rgb(96, 158,  
122) }
```

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