

Converting Colors

$Yxy(28.8667, 0.2630, 0.3682)$

Have a look what the booklet for
Yxy(28.8667, 0.2630, 0.3682)
contains.

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Color

Yxy(28.7112, 0.2629, 0.3675)

Conversions

Conversions Part 1

Format	Color
Hex	50A08B
RGB	80, 160, 139
RGB Percent	31%, 63%, 55%
CMY	0.6862, 0.3725, 0.4550
CMYK	0.50, 0.00, 0.13, 0.37
HSL	164°, 33%, 47%
HSV	164°, 50%, 63%
XYZ	20.5393, 28.7112, 28.8753
YIQ	133.6860, -40.9390, -23.4910

Conversions

Conversions Part 2

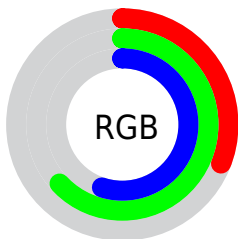
Format	Color
RYB	80, 126, 160
Decimal	5283979
CIELab	60.53, -29.81, 3.45
CIELCh	61, 30.007, 173.405
Yxy	28.7112, 0.2629, 0.3675
Android (android.graphics.Color)	4283474059 (0xFF50A08B)
YUV	133.6860, 2.6198, -47.0826
Hunter-Lab	53.5828, -25.3477, 5.5572

Details

The Yxy color **28.7112, 0.2629, 0.3675** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **14.1557, 0.4117, 0.2956**, and the grayscale version is **23.7226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.5575, 0.2737, 0.3597**, and **11.5848, 0.2452, 0.3822** is the 20% darker color. If you saturate the color by 10%, you get **27.9760, 0.2565, 0.3768**, and if you desaturate by 10%, it is **29.6193, 0.2709, 0.3586**.

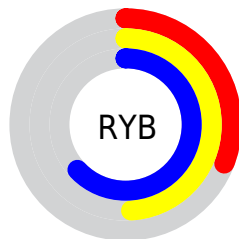
Distribution



Red (31%)

Green (63%)

Blue (55%)



Red (31%)

Yellow (49%)

Blue (63%)

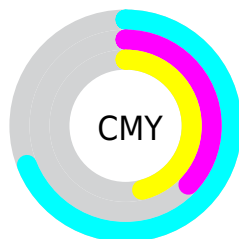


Cyan (50%)

Magenta (0%)

Yellow (13%)

Black (37%)



Cyan (69%)


Magenta (37%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7112, 0.2629, 0.3675 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 28.7112, 0.2629, 0.3675 by changing the saturation by 10% instead.


 28.7112, 0.2629,
0.3675


 28.7112, 0.2629,
0.3675


295.8499, 0.2899,
0.3464

 18.8625, 0.2554,
0.3735


 57.6179, 0.2733,
0.3593


 11.5709, 0.2453,
0.3817


 77.4447, 0.2770,
0.3564


 6.4522, 0.2308,
0.3936


 101.3663, 0.2800,
0.3540

 3.1220, 0.2087,
0.4122

 129.7670, 0.2826,
0.3520

 1.1957, 0.1458,
0.4590

 163.0314, 0.2849,
0.3503

 0.0582, 0.0000,
1.0000

201.5437, 0.2868,

 0.0000, 0.0000,

0.3488

0.0000

245.6884, 0.2884,
0.3475

■ 28.7112, 0.2629,
0.3675

■ 28.7112, 0.2629,
0.3675

■ 27.9760, 0.2565,
0.3768

■ 29.6193, 0.2709,
0.3586

■ 27.3982, 0.2518,
0.3863

■ 30.7077, 0.2801,
0.3503

■ 26.9654, 0.2490,
0.3960


■ 31.9874, 0.2903,
0.3426

■ 26.6616, 0.2481,
0.4057


■ 33.4677, 0.3013,
0.3355

■ 26.4491, 0.2487,
0.4154


■ 35.1572, 0.3127,
0.3290

 26.4488, 0.2487,
0.4154

 37.0639, 0.3244,
0.3232

 39.1954, 0.3361,
0.3180

 41.5592, 0.3477,
0.3134

 44.1620, 0.3590,
0.3094

Harmonies

Analogous

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



28.7112, 0.3077, 0.4064



28.7112, 0.2629, 0.3675



28.7112, 0.2328, 0.3182

Triad

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



28.7112, 0.2629, 0.3675



28.7112, 0.2656, 0.2513



28.7112, 0.4112, 0.3692

Complementary

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



28.7112, 0.2629, 0.3675



14.1557, 0.4117, 0.2956

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.



28.7112, 0.3992, 0.3302



28.7112, 0.2629, 0.3675



28.7112, 0.3116, 0.2653

Square

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



28.7112, 0.2629, 0.3675



28.7112, 0.2345, 0.2546



28.7112, 0.3615, 0.2934



28.7112, 0.3945, 0.4023

Rectangle

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



28.7112, 0.2629, 0.3675



28.7112, 0.2239, 0.2892



28.7112, 0.3615, 0.2934



28.7112, 0.4105, 0.3564

Sweetspot

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



28.7123, 0.2629, 0.3675



59.2938, 0.2954, 0.3391



28.5091, 0.3237, 0.4751



12.8898, 0.2933, 0.3406



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.



28.7123, 0.2629, 0.3675



50.6574, 0.2558, 0.3779



23.3953, 0.2422, 0.2947



7.4797, 0.3022, 0.3349



20.6101, 0.2485, 0.4145



0.3750, 0.2378, 0.3761

Inverse Universe

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



14.1557, 0.4117, 0.2956



21.1304, 0.4482, 0.2900



16.9180, 0.4328, 0.3593



6.6734, 0.3245, 0.3231



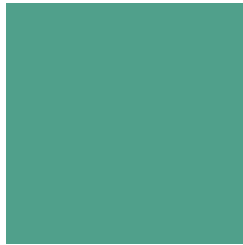
5.9588, 0.5839, 0.2990



0.1129, 0.4844, 0.2442

Previews

White Background



This preview shows how the Yxy color 28.7112, 0.2629, 0.3675 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 28.7112, 0.2629, 0.3675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

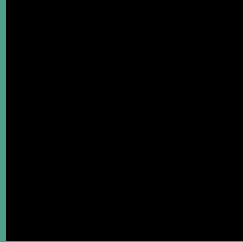
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7112, 0.2629, 0.3675

Background



This preview shows how black text looks on a background with the Yxy color 28.7112, 0.2629, 0.3675.

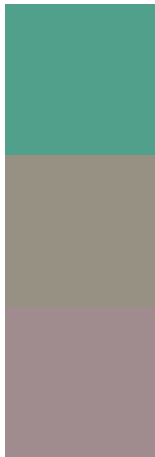


This preview shows how white text looks on a background with the Yxy color 28.7112, 0.2629, 0.3675.

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

28.7112, 0.2629, 0.3675

Protanopia

28.4688, 0.3331, 0.3515

Deuteranopia

28.2129, 0.3316, 0.3244



Tritanopia

28.7279, 0.2477, 0.3083

Trichromacy



Original Color

28.7112, 0.2629, 0.3675

Protanomaly

27.8939, 0.3024, 0.3565

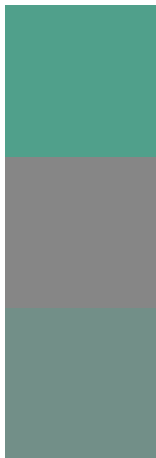
Deuteranomaly

27.6457, 0.3011, 0.3374

Tritanomaly

28.5267, 0.2534, 0.3288

Monochromacy



Original Color

28.7112, 0.2629, 0.3675

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

24.9999, 0.2897, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7112, 0.2629, 0.3675 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(80, 160, 139)` looks like.

```
.text, #text, p{  
    color:rgb(80, 160, 139)  
}
```

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(80, 160, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 160, 139) }
```

Border

The CSS property to change the border of an element to Yxy 28.7112, 0.2629, 0.3675 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(80, 160, 139) }
```

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

```
.border{ border-color:rgb(80, 160, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 160, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 160, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 160, 139);  
box-shadow:4px 4px 4px 4px rgb(80, 160,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7112, 0.2629, 0.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 160, 139) }
```

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

```
.background{ background-color: rgb(80, 160,  
139) }
```

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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