

Converting Colors

$Y_{xy}(28.1233, 0.2528, 0.2998)$

Have a look what the booklet for
Yxy(28.1233, 0.2528, 0.2998)
contains.

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Color

Yxy(28.0681, 0.2525, 0.2986)

Conversions

Conversions Part 1

Format	Color
Hex	6498AA
RGB	100, 152, 170
RGB Percent	39%, 60%, 67%
CMY	0.6081, 0.4039, 0.3333
CMYK	0.41, 0.11, 0.00, 0.33
HSL	195°, 29%, 53%
HSV	195°, 41%, 67%
XYZ	23.7347, 28.0681, 42.1961
YIQ	138.5040, -36.7700, -5.4260

Conversions

Conversions Part 2

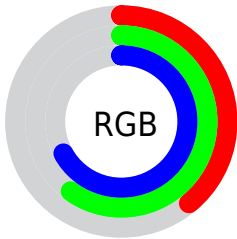
Format	Color
RYB	100, 130, 170
Decimal	6592682
CIELab	59.95, -12.51, -14.87
CIElCh	60, 19.430, 229.917
Yxy	28.0681, 0.2525, 0.2986
Android (android.graphics.Color)	4284782762 (0xFF6498AA)
YUV	138.5040, 15.5275, -33.7680
Hunter-Lab	52.9793, -12.7458, -10.1368

Details

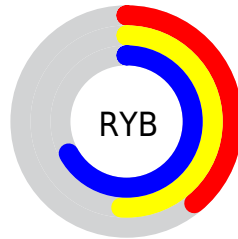
The Yxy color **28.0681, 0.2525, 0.2986** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.4063, 0.4037, 0.3569**, and the grayscale version is **25.5645, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4489, 0.2648, 0.3052**, and **11.2197, 0.2324, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **25.8084, 0.2398, 0.2898**, and if you desaturate by 10%, it is **30.5844, 0.2663, 0.3069**.

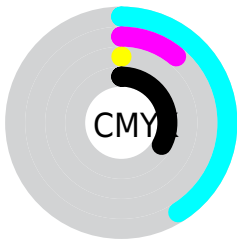
Distribution



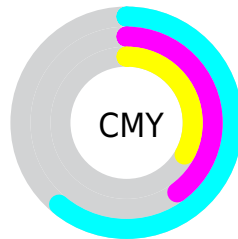
- Red (39%)
- Green (60%)
- Blue (67%)



- Red (39%)
- Yellow (51%)
- Blue (67%)



- Cyan (41%)
- Magenta (11%)
- Yellow (0%)
- Black (33%)



- Cyan (61%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0681, 0.2525, 0.2986 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 28.0681, 0.2525, 0.2986 by changing the saturation by 10% instead.

■ 28.0681, 0.2525,
0.2986

■ 28.0681, 0.2525,
0.2986

■ 292.7922, 0.2845,
0.3156

■ 18.3770, 0.2439,
0.2937

■ 56.5931, 0.2646,
0.3052

■ 11.2210, 0.2325,
0.2870

■ 76.1959, 0.2690,
0.3076

■ 6.2157, 0.2168,
0.2774

■ 99.8713, 0.2726,
0.3095

■ 2.9767, 0.1936,
0.2622

■ 128.0038, 0.2757,
0.3111

■ 1.1196, 0.1563,
0.2360

■ 160.9777, 0.2784,
0.3125

■ 0.0000, 0.0000,
0.0000

199.1775, 0.2807,

0.3136

242.9875, 0.2827,
0.3147

■ 28.0681, 0.2525,
0.2986

■ 28.0681, 0.2525,
0.2986

■ 25.8084, 0.2398,
0.2898

■ 30.5844, 0.2663,
0.3069

■ 23.7887, 0.2285,
0.2807

■ 33.3661, 0.2808,
0.3146

■ 21.9955, 0.2188,
0.2713

■ 36.4255, 0.2958,
0.3218

■ 20.4120, 0.2110,
0.2618

■ 39.7732, 0.3109,
0.3283

■ 19.0188, 0.2051,
0.2524

■ 43.4192, 0.3259,
0.3341

■ 17.9138, 0.2012,
0.2441

■ 47.3726, 0.3407,
0.3393

■ 51.6426, 0.3550,
0.3440

■ 56.2377, 0.3688,
0.3481

■ 61.1660, 0.3820,
0.3516

Harmonies

Analogous

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



28.0681, 0.2612, 0.3265



28.0681, 0.2525, 0.2986



28.0681, 0.2587, 0.2809

Triad

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



28.0681, 0.2525, 0.2986



28.0681, 0.3412, 0.3028



28.0681, 0.3455, 0.3864

Complementary

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



28.0681, 0.2525, 0.2986



22.4063, 0.4037, 0.3569

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.



28.0681, 0.3688, 0.3762



28.0681, 0.2525, 0.2986



28.0681, 0.3667, 0.3278

Square

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



28.0681, 0.2525, 0.2986



28.0681, 0.3087, 0.2843



28.0681, 0.3769, 0.3543



28.0681, 0.3141, 0.3799

Rectangle

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



28.0681, 0.2525, 0.2986



28.0681, 0.2707, 0.2763



28.0681, 0.3769, 0.3543



28.0681, 0.3546, 0.3847

Sweetspot

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



28.0692, 0.2525, 0.2986



65.5067, 0.2943, 0.3211



32.7507, 0.2942, 0.4215



14.4482, 0.2924, 0.3202



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



28.0692, 0.2525, 0.2986



47.3424, 0.2414, 0.2910



18.4386, 0.2427, 0.2365



8.2011, 0.2987, 0.3231



13.2707, 0.2014, 0.2451



0.3982, 0.2100, 0.2760

Inverse Universe

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



19.9176, 0.3398, 0.2526



31.2405, 0.3475, 0.2374



32.0797, 0.3825, 0.4066



7.6332, 0.3175, 0.3124



7.4107, 0.3971, 0.1961



0.1879, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 28.0681, 0.2525, 0.2986 looks on a white background.

Color Contrast Check

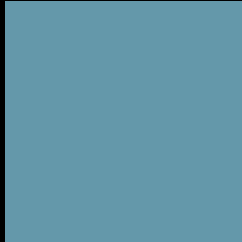
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0681, 0.2525, 0.2986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

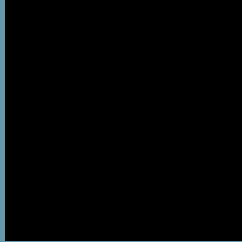
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0681, 0.2525, 0.2986

Background



This preview shows how black text looks on a background with the Yxy color 28.0681, 0.2525, 0.2986.



This preview shows how white text looks on a background with the Yxy color 28.0681, 0.2525, 0.2986.

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

28.0681, 0.2525, 0.2986

Protanopia

27.9007, 0.2899, 0.2959

Deuteranopia

27.9576, 0.2866, 0.2814



Tritanopia

28.1517, 0.2556, 0.3084

Trichromacy



Original Color

28.0681, 0.2525, 0.2986

Protanomaly

27.6709, 0.2744, 0.2964

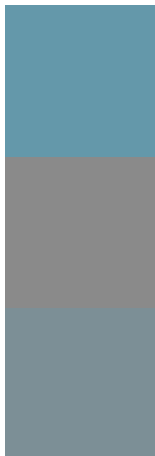
Deuteranomaly

27.7803, 0.2729, 0.2874

Tritanomaly

28.2251, 0.2542, 0.3051

Monochromacy



Original Color

28.0681, 0.2525, 0.2986

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.1320, 0.2868, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0681, 0.2525, 0.2986 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(100, 152, 170)` looks like.

```
.text, #text, p{  
    color:rgb(100, 152, 170)  
}
```

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(100, 152, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 152, 170) }
```

Border

The CSS property to change the border of an element to Yxy 28.0681, 0.2525, 0.2986 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(100, 152, 170) }
```

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

```
.border{ border-color:rgb(100, 152, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 152, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 152, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 152, 170);  
box-shadow:4px 4px 4px 4px rgb(100, 152,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0681, 0.2525, 0.2986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 152, 170) }
```

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

```
.background{ background-color: rgb(100,  
152, 170) }
```

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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