

Converting Colors

$Y_{xy}(28.3239, 0.2577, 0.3085)$

Have a look what the booklet for
Yxy(28.3239, 0.2577, 0.3085)
contains.

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Color

$Y_{xy}(28.3239, 0.2577, 0.3085)$

Conversions

Conversions Part 1

Format	Color
Hex	6699A5
RGB	102, 153, 165
RGB Percent	40%, 60%, 65%
CMY	0.6002, 0.4000, 0.3529
CMYK	0.38, 0.07, 0.00, 0.35
HSL	191°, 26%, 52%
HSV	191°, 38%, 65%
XYZ	23.6599, 28.3239, 39.8279
YIQ	139.1190, -34.2480, -7.0800

Conversions

Conversions Part 2

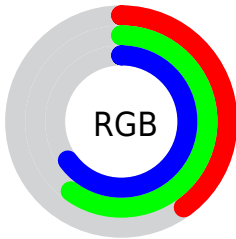
Format	Color
RYB	102, 130, 165
Decimal	6724005
CIELab	60.18, -13.83, -11.69
CIElCh	60, 18.111, 220.196
Yxy	28.3239, 0.2577, 0.3085
Android (android.graphics.Color)	4284914085 (0xFF6699A5)
YUV	139.1190, 12.7593, -32.5534
Hunter-Lab	53.2202, -13.7804, -7.1162

Details

The Yxy color **28.3239, 0.2577, 0.3085** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.9879, 0.3971, 0.3482**, and the grayscale version is **25.8241, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7615, 0.2684, 0.3126**, and **11.3731, 0.2396, 0.3012** is the 20% darker color. If you saturate the color by 10%, you get **26.4398, 0.2454, 0.3022**, and if you desaturate by 10%, it is **30.4293, 0.2712, 0.3145**.

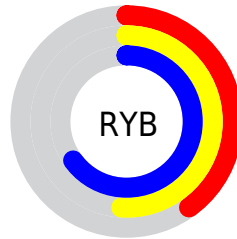
Distribution



Red (40%)

Green (60%)

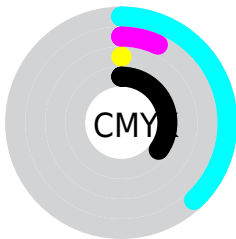
Blue (65%)



Red (40%)

Yellow (51%)

Blue (65%)

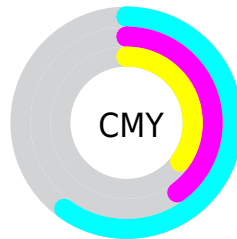


Cyan (38%)

Magenta (7%)

Yellow (0%)

Black (35%)



Cyan (60%)

Magenta (40%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3239, 0.2577, 0.3085 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 28.3239, 0.2577, 0.3085 by changing the saturation by 10% instead.

■ 28.3239, 0.2577,
0.3085

■ 28.3239, 0.2577,
0.3085

■ 294.0114, 0.2870,
0.3201

■ 18.5700, 0.2498,
0.3051

■ 57.0011, 0.2688,
0.3131

■ 11.3600, 0.2393,
0.3004

■ 76.6933, 0.2728,
0.3147

■ 6.3095, 0.2247,
0.2934

■ 100.4669, 0.2761,
0.3160

■ 3.0342, 0.2031,
0.2823

■ 128.7064, 0.2790,
0.3171

■ 1.1496, 0.1674,
0.2624

■ 161.7962, 0.2814,
0.3180

■ 0.0200, 0.0000,
0.0232

■ 200.1207, 0.2835,

■ 0.0000, 0.0000,

0.3188

0.0000

244.0643, 0.2853,
0.3195

■ 28.3239, 0.2577,
0.3085

■ 28.3239, 0.2577,
0.3085

■ 26.4398, 0.2454,
0.3022

■ 30.4293, 0.2712,
0.3145

■ 24.7619, 0.2344,
0.2957

■ 32.7633, 0.2855,
0.3200

■ 23.2784, 0.2252,
0.2889

■ 35.3369, 0.3003,
0.3251

■ 21.9750, 0.2178,
0.2821

■ 38.1596, 0.3154,
0.3298

■ 20.8346, 0.2122,
0.2753

■ 41.2400, 0.3305,
0.3340

■ 19.8274, 0.2083,
0.2686

■ 44.5865, 0.3455,
0.3378

■ 19.6537, 0.2076,
0.2674

■ 48.2070, 0.3600,
0.3411

■ 52.1090, 0.3742,
0.3441

■ 56.2999, 0.3877,
0.3466

Harmonies

Analogous

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



28.3239, 0.2703, 0.3362



28.3239, 0.2577, 0.3085



28.3239, 0.2590, 0.2883

Triad

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



28.3239, 0.2577, 0.3085



28.3239, 0.3297, 0.2981



28.3239, 0.3515, 0.3808

Complementary

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



28.3239, 0.2577, 0.3085



20.9879, 0.3971, 0.3482

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.



28.3239, 0.3691, 0.3673



28.3239, 0.2577, 0.3085



28.3239, 0.3564, 0.3200

Square

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



28.3239, 0.2577, 0.3085



28.3239, 0.2994, 0.2836



28.3239, 0.3711, 0.3450



28.3239, 0.3239, 0.3799

Rectangle

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



28.3239, 0.2577, 0.3085



28.3239, 0.2675, 0.2813



28.3239, 0.3711, 0.3450



28.3239, 0.3588, 0.3777

Sweetspot

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



28.3250, 0.2577, 0.3085



61.8456, 0.2958, 0.3236



30.9447, 0.2986, 0.4211



13.3911, 0.2940, 0.3230



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.3250, 0.2577, 0.3085



47.7788, 0.2470, 0.3031



19.4407, 0.2496, 0.2525



7.7808, 0.2988, 0.3246



14.9325, 0.2078, 0.2680



0.3695, 0.2146, 0.2924

Inverse Universe

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



19.7959, 0.3319, 0.2525



30.7002, 0.3374, 0.2360



29.2268, 0.3791, 0.3950



7.1789, 0.3165, 0.3110



7.3516, 0.3747, 0.1838



0.1601, 0.3521, 0.1714

Previews

White Background



This preview shows how the Yxy color 28.3239, 0.2577, 0.3085 looks on a white background.

Color Contrast Check

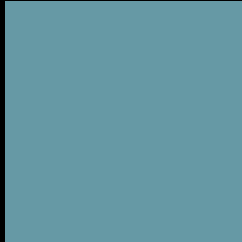
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3239, 0.2577, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

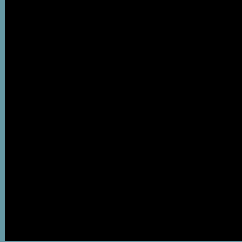
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

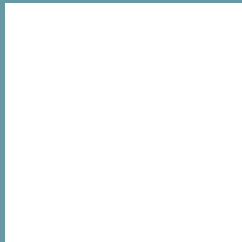
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.3239, 0.2577, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 28.3239, 0.2577, 0.3085.

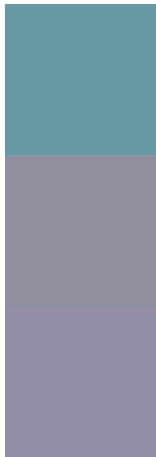


This preview shows how white text looks on a background with the Yxy color 28.3239, 0.2577, 0.3085.

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

28.3239, 0.2577, 0.3085

Protanopia

27.9878, 0.2974, 0.3037

Deuteranopia

28.0800, 0.2931, 0.2875



Tritanopia

28.3239, 0.2577, 0.3085

Trichromacy



Original Color

28.3239, 0.2577, 0.3085

Protanomaly

28.0298, 0.2814, 0.3061

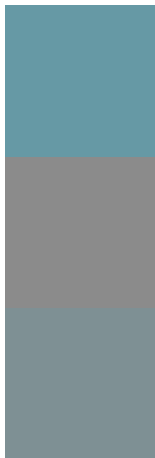
Deuteranomaly

27.8661, 0.2789, 0.2937

Tritanomaly

28.3239, 0.2577, 0.3085

Monochromacy



Original Color

28.3239, 0.2577, 0.3085

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.5203, 0.2906, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3239, 0.2577, 0.3085 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(102, 153, 165)` looks like.

```
.text, #text, p{  
    color:rgb(102, 153, 165)  
}
```

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(102, 153, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 153, 165) }
```

Border

The CSS property to change the border of an element to Yxy 28.3239, 0.2577, 0.3085 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(102, 153, 165) }
```

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

```
.border{ border-color:rgb(102, 153, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 153, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 153, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 153, 165);  
box-shadow:4px 4px 4px 4px rgb(102, 153,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3239, 0.2577, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 153, 165) }
```

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

```
.background{ background-color: rgb(102,  
153, 165) }
```

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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