

Converting Colors

$Y_{xy}(28.0490, 0.2243, 0.2842)$

Have a look what the booklet for
Yxy(28.0490, 0.2243, 0.2842)
contains.

Yxy(28.0841, 0.2242, 0.2845)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

$\text{Yxy}(28.0841, 0.2242, 0.2845)$

Conversions

Conversions Part 1

Format	Color
Hex	3B9CB6
RGB	59, 156, 182
RGB Percent	23%, 61%, 71%
CMY	0.7688, 0.3882, 0.2864
CMYK	0.68, 0.14, 0.00, 0.29
HSL	193°, 51%, 47%
HSV	193°, 68%, 71%
XYZ	22.1317, 28.0841, 48.4981
YIQ	129.9610, -66.1580, -12.4780

Conversions

Conversions Part 2

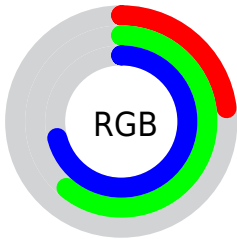
Format	Color
RYB	59, 113, 182
Decimal	3906742
CIELab	59.96, -19.83, -21.77
CIElCh	60, 29.443, 227.668
Yxy	28.0841, 0.2242, 0.2845
Android (android.graphics.Color)	4282096822 (0xFF3B9CB6)
YUV	129.9610, 25.6552, -62.2328
Hunter-Lab	52.9944, -18.1947, -17.1634

Details

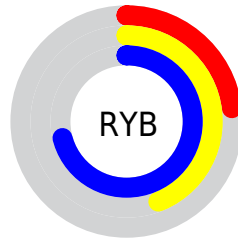
The Yxy color **28.0841, 0.2242, 0.2845** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **16.7437, 0.5047, 0.3624**, and the grayscale version is **22.2303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.7546, 0.2413, 0.2946**, and **11.6881, 0.2084, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **26.3540, 0.2164, 0.2768**, and if you desaturate by 10%, it is **30.0508, 0.2338, 0.2921**.

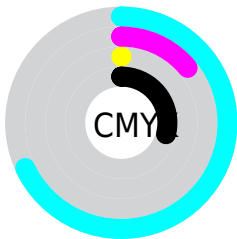
Distribution



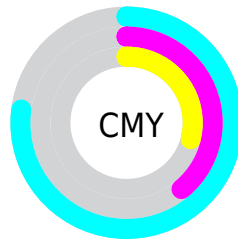
- Red (23%)
- Green (61%)
- Blue (71%)



- Red (23%)
- Yellow (44%)
- Blue (71%)



- Cyan (68%)
- Magenta (14%)
- Yellow (0%)
- Black (29%)



- Cyan (77%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0841, 0.2242, 0.2845 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 28.0841, 0.2242, 0.2845 by changing the saturation by 10% instead.

■ 28.0841, 0.2242,
0.2845

■ 28.0841, 0.2242,
0.2845

■ 292.8686, 0.2704,
0.3096

■ 18.3891, 0.2122,
0.2773

■ 56.6187, 0.2414,
0.2943

■ 11.2297, 0.1965,
0.2674

■ 76.2270, 0.2477,
0.2978

■ 6.2215, 0.1755,
0.2533

■ 99.9086, 0.2531,
0.3006

■ 2.9803, 0.1461,
0.2317

■ 128.0478, 0.2576,
0.3030

■ 1.1214, 0.0991,
0.1969

■ 161.0290, 0.2615,
0.3050

■ 0.0000, 0.0000,
0.0000

199.2366, 0.2649,

0.3068

243.0550, 0.2678,
0.3083

■ 28.0841, 0.2242,
0.2845

■ 28.0841, 0.2242,
0.2845

■ 26.3540, 0.2164,
0.2768

■ 30.0508, 0.2338,
0.2921

■ 24.8358, 0.2105,
0.2691

■ 32.2695, 0.2451,
0.2994

■ 23.4983, 0.2064,
0.2615

■ 34.7576, 0.2578,
0.3065

■ 23.1908, 0.2055,
0.2597

■ 37.5300, 0.2716,
0.3131

■ 40.6003, 0.2861,
0.3193

■ 43.9813, 0.3012,
0.3250

■ 47.6848, 0.3164,
0.3302

■ 51.7220, 0.3315,
0.3349

■ 56.1036, 0.3464,
0.3390

Harmonies

Analogous

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



28.0841, 0.2379, 0.3275



28.0841, 0.2242, 0.2845



28.0841, 0.2316, 0.2583

Triad

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



28.0841, 0.2242, 0.2845



28.0841, 0.3519, 0.2876



28.0841, 0.3640, 0.4161

Complementary

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



28.0841, 0.2242, 0.2845



16.7437, 0.5047, 0.3624

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.



28.0841, 0.3987, 0.3962



28.0841, 0.2242, 0.2845



28.0841, 0.3927, 0.3229

Square

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



28.0841, 0.2242, 0.2845



28.0841, 0.3022, 0.2621



28.0841, 0.4101, 0.3617



28.0841, 0.3171, 0.4101

Rectangle

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



28.0841, 0.2242, 0.2845



28.0841, 0.2478, 0.2515



28.0841, 0.4101, 0.3617



28.0841, 0.3776, 0.4119

Sweetspot

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



28.0851, 0.2242, 0.2845



72.0477, 0.2821, 0.3177



35.0090, 0.2909, 0.5065



15.5655, 0.2780, 0.3159



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



28.0851, 0.2242, 0.2845



46.4331, 0.2134, 0.2732



12.6464, 0.1975, 0.1733



9.8801, 0.2985, 0.3241



16.4799, 0.2057, 0.2606



0.6628, 0.2112, 0.2802

Inverse Universe

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



15.4669, 0.3564, 0.2053



23.9245, 0.3686, 0.1919



30.5310, 0.4367, 0.4414



9.1294, 0.3169, 0.3111



8.4460, 0.3818, 0.1877



0.3060, 0.3633, 0.1775

Previews

White Background



This preview shows how the Yxy color 28.0841, 0.2242, 0.2845 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 28.0841, 0.2242, 0.2845 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 28.0841, 0.2242, 0.2845

Background



This preview shows how black text looks on a background with the Yxy color 28.0841, 0.2242, 0.2845.



This preview shows how white text looks on a background with the Yxy color 28.0841, 0.2242, 0.2845.

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

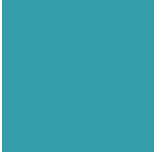
28.0841, 0.2242, 0.2845

Protanopia

27.6429, 0.2800, 0.2821

Deuteranopia

27.7034, 0.2674, 0.2620



Tritanopia

28.1241, 0.2283, 0.3058

Trichromacy



Original Color

28.0841, 0.2242, 0.2845

Protanomaly

27.2532, 0.2537, 0.2813

Deuteranomaly

27.1443, 0.2465, 0.2677

Tritanomaly

28.0213, 0.2268, 0.2974

Monochromacy



Original Color

28.0841, 0.2242, 0.2845

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

23.5782, 0.2685, 0.3108

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0841, 0.2242, 0.2845 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(59, 156, 182)` looks like.

```
.text, #text, p{  
    color:rgb(59, 156, 182)  
}
```

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(59, 156, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 156, 182) }
```

Border

The CSS property to change the border of an element to Yxy 28.0841, 0.2242, 0.2845 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(59, 156, 182) }
```

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

```
.border{ border-color:rgb(59, 156, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 156, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 156, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 156, 182);  
box-shadow:4px 4px 4px 4px rgb(59, 156,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0841, 0.2242, 0.2845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 156, 182) }
```

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

```
.background{ background-color: rgb(59, 156,  
182) }
```

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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