

Converting Colors

$Y_{xy}(28.2392, 0.2283, 0.2685)$

Have a look what the booklet for
Yxy(28.2392, 0.2283, 0.2685)
contains.

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Color

$Y_{xy}(28.2056, 0.2283, 0.2684)$

Conversions

Conversions Part 1

Format	Color
Hex	5099BE
RGB	80, 153, 190
RGB Percent	31%, 60%, 75%
CMY	0.6863, 0.4000, 0.2549
CMYK	0.58, 0.19, 0.00, 0.25
HSL	200°, 46%, 53%
HSV	200°, 58%, 75%
XYZ	23.9916, 28.2056, 52.8908
YIQ	135.3910, -55.3850, -3.9690

Conversions

Conversions Part 2

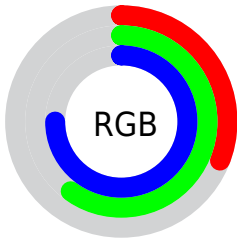
Format	Color
R _Y B	80, 124, 190
Decimal	5282238
CIE Lab	60.07, -11.91, -26.06
CIE LCh	60, 28.650, 245.430
Yxy	28.2056, 0.2283, 0.2684
Android (android.graphics.Color)	4283472318 (0xFF5099BE)
YUV	135.3910, 26.9222, -48.5779
Hunter-Lab	53.1089, -12.3046, -21.8702

Details

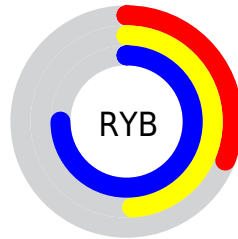
The Yxy color **28.2056, 0.2283, 0.2684** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.2405, 0.4536, 0.3787**, and the grayscale version is **24.2935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.5978, 0.2446, 0.2811**, and **11.2803, 0.2023, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **25.4580, 0.2169, 0.2558**, and if you desaturate by 10%, it is **31.3010, 0.2412, 0.2806**.

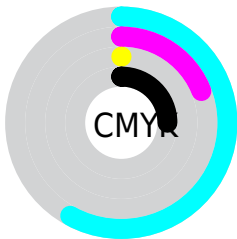
Distribution



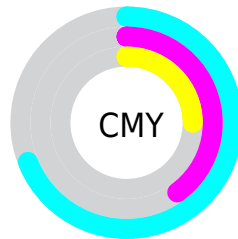
- Red (31%)
- Green (60%)
- Blue (75%)



- Red (31%)
- Yellow (49%)
- Blue (75%)



- Cyan (58%)
- Magenta (19%)
- Yellow (0%)
- Black (25%)



- Cyan (69%)
- Magenta (40%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.2056, 0.2283, 0.2684 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 28.2056, 0.2283, 0.2684 by changing the saturation by 10% instead.

■ 28.2056, 0.2283,
0.2684

■ 28.2056, 0.2283,
0.2684

■ 293.4480, 0.2724,
0.3014

■ 18.4807, 0.2168,
0.2593

■ 56.8125, 0.2447,
0.2810

■ 11.2957, 0.2019,
0.2472

■ 76.4633, 0.2508,
0.2856

■ 6.2661, 0.1819,
0.2304

■ 100.1916, 0.2558,
0.2893

■ 3.0075, 0.1540,
0.2058

■ 128.3817, 0.2601,
0.2925

■ 1.1357, 0.1135,
0.1675

■ 161.4179, 0.2639,
0.2952

■ 0.0082, 0.0000,
0.0039

■ 199.6848, 0.2671,

■ 0.0000, 0.0000,

0.2976

0.0000

243.5667, 0.2699,
0.2996

■ 28.2056, 0.2283,
0.2684

■ 28.2056, 0.2283,
0.2684

■ 25.4580, 0.2169,
0.2558

■ 31.3010, 0.2412,
0.2806

■ 23.0330, 0.2073,
0.2429

■ 34.7608, 0.2552,
0.2923

■ 20.9062, 0.1998,
0.2301

■ 38.6037, 0.2701,
0.3031

■ 19.0398, 0.1941,
0.2175

■ 42.8463, 0.2853,
0.3132

■ 18.6688, 0.1930,
0.2149

■ 47.5038, 0.3007,
0.3224

■ 52.5908, 0.3159,
0.3307

■ 58.1207, 0.3307,
0.3381

■ 64.1066, 0.3451,
0.3447

■ 70.5607, 0.3588,
0.3505

Harmonies

Analogous

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



28.2056, 0.2295, 0.3013



28.2056, 0.2283, 0.2684



28.2056, 0.2473, 0.2539

Triad

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



28.2056, 0.2283, 0.2684



28.2056, 0.3764, 0.3083



28.2056, 0.3363, 0.4136

Complementary

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



28.2056, 0.2283, 0.2684



24.2405, 0.4536, 0.3787

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.



28.2056, 0.3786, 0.4084



28.2056, 0.2283, 0.2684



28.2056, 0.4037, 0.3456

Square

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



28.2056, 0.2283, 0.2684



28.2056, 0.3313, 0.2771



28.2056, 0.4041, 0.3819



28.2056, 0.2897, 0.3907

Rectangle

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



28.2056, 0.2283, 0.2684



28.2056, 0.2701, 0.2544



28.2056, 0.4041, 0.3819



28.2056, 0.3515, 0.4148

Sweetspot

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



28.2066, 0.2283, 0.2684



78.1572, 0.2863, 0.3138



39.8050, 0.2837, 0.4533



16.8040, 0.2832, 0.3118



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



28.2066, 0.2283, 0.2684



45.1148, 0.2146, 0.2529



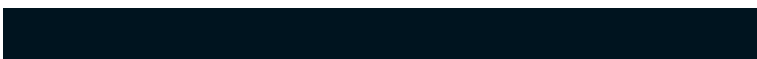
14.2168, 0.2079, 0.1739



10.2544, 0.2985, 0.3211



12.5641, 0.1935, 0.2166



0.6082, 0.2019, 0.2466

Inverse Universe

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



18.9810, 0.3682, 0.2342



28.8171, 0.3853, 0.2203



40.9004, 0.4072, 0.4456



9.6403, 0.3188, 0.3139



8.2980, 0.4269, 0.2126



0.3368, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 28.2056, 0.2283, 0.2684 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 28.2056, 0.2283, 0.2684 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

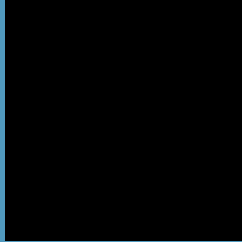
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2056, 0.2283, 0.2684

Background



This preview shows how black text looks on a background with the Yxy color 28.2056, 0.2283, 0.2684.

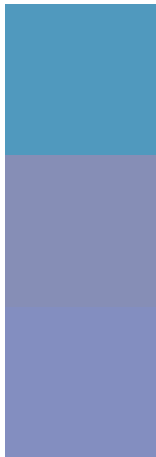


This preview shows how white text looks on a background with the Yxy color 28.2056, 0.2283, 0.2684.

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

28.2056, 0.2283, 0.2684

Protanopia

27.7917, 0.2690, 0.2675

Deuteranopia

27.9771, 0.2588, 0.2537



Tritanopia

28.3181, 0.2372, 0.3078

Trichromacy



Original Color

28.2056, 0.2283, 0.2684

Protanomaly

27.6380, 0.2510, 0.2671

Deuteranomaly

27.7641, 0.2455, 0.2585

Tritanomaly

28.4071, 0.2336, 0.2930

Monochromacy



Original Color

28.2056, 0.2283, 0.2684

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.3574, 0.2739, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2056, 0.2283, 0.2684 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, 153, 190)` looks like.

```
.text, #text, p{  
    color:rgb(80, 153, 190)  
}
```

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, 153, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 153, 190) }
```

Border

The CSS property to change the border of an element to Yxy 28.2056, 0.2283, 0.2684 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, 153, 190) }
```

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

```
.border{ border-color:rgb(80, 153, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 153, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 153, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 153, 190);  
box-shadow:4px 4px 4px 4px rgb(80, 153,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2056, 0.2283, 0.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 153, 190) }
```

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

```
.background{ background-color: rgb(80, 153,  
190) }
```

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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