

Converting Colors

$Yxy(28.3428, 0.2058, 0.2466)$

Have a look what the booklet for
Yxy(28.3428, 0.2058, 0.2466)
contains.

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Color

$Y_{xy}(28.3050, 0.2055, 0.2456)$

Conversions

Conversions Part 1

Format	Color
Hex	239BCF
RGB	35, 155, 207
RGB Percent	14%, 61%, 81%
CMY	0.8620, 0.3922, 0.1882
CMYK	0.83, 0.25, 0.00, 0.19
HSL	198°, 71%, 47%
HSV	198°, 83%, 81%
XYZ	23.6835, 28.3050, 63.2598
YIQ	125.0480, -88.2120, -9.2680

Conversions

Conversions Part 2

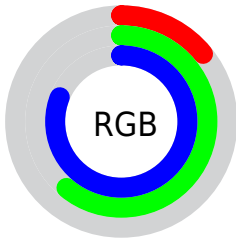
Format	Color
R _Y B	35, 106, 207
Decimal	2333647
CIE Lab	60.16, -13.66, -35.57
CIE LCh	60, 38.101, 248.997
Yxy	28.3050, 0.2055, 0.2456
Android (android.graphics.Color)	4280523727 (0xFF239BCF)
YUV	125.0480, 40.4023, -78.9721
Hunter-Lab	53.2024, -13.6434, -33.2565

Details

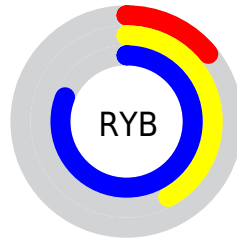
The Yxy color **28.3050, 0.2055, 0.2456** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark muted azure. A complement of this color would be **20.2448, 0.5491, 0.3772**, and the grayscale version is **20.4285, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1359, 0.2291, 0.2720**, and **12.1676, 0.1956, 0.2242** is the 20% darker color. If you saturate the color by 10%, you get **26.0099, 0.1995, 0.2342**, and if you desaturate by 10%, it is **30.9241, 0.2135, 0.2571**.

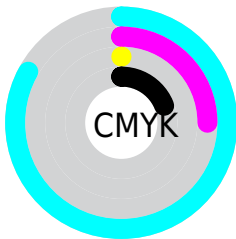
Distribution



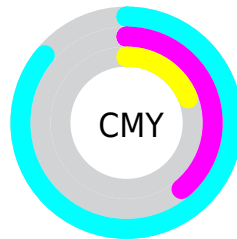
- Red (14%)
- Green (61%)
- Blue (81%)



- Red (14%)
- Yellow (42%)
- Blue (81%)



- Cyan (83%)
- Magenta (25%)
- Yellow (0%)
- Black (19%)





- Cyan (86%)
- Magenta (39%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3050, 0.2055, 0.2456 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 28.3050, 0.2055, 0.2456 by changing the saturation by 10% instead.

 28.3050, 0.2055,
0.2456


 28.3050, 0.2055,
0.2456


293.9215, 0.2605,
0.2904


 18.5557, 0.1917,
0.2337


 56.9710, 0.2256,
0.2624

 11.3497, 0.1743,
0.2182


 76.6565, 0.2331,
0.2686

 6.3026, 0.1516,
0.1974


 100.4229, 0.2395,
0.2738

 3.0299, 0.1215,
0.1684

 128.6545, 0.2449,
0.2781

 1.1474, 0.0815,
0.1271

 161.7358, 0.2496,
0.2818

 0.0181, 0.0000,
0.0052

200.0511, 0.2537,

 0.0000, 0.0000,

0.2851

0.0000

243.9849, 0.2573,
0.2879

■ 28.3050, 0.2055,
0.2456

■ 28.3050, 0.2055,
0.2456

■ 26.0099, 0.1995,
0.2342

■ 30.9241, 0.2135,
0.2571

■ 24.5528, 0.1962,
0.2263

■ 33.8984, 0.2235,
0.2686

■ 37.2578, 0.2352,
0.2798

■ 41.0271, 0.2484,
0.2905

■ 45.2290, 0.2626,
0.3007

■ 49.8841, 0.2775,
0.3102

■ 55.0114, 0.2928,
0.3189

■ 60.6286, 0.3081,
0.3268

■ 66.7527, 0.3233,
0.3339

Harmonies

Analogous

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



28.3050, 0.2035, 0.2844



28.3050, 0.2055, 0.2456



28.3050, 0.2321, 0.2314

Triad

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



28.3050, 0.2055, 0.2456



28.3050, 0.4033, 0.3064



28.3050, 0.3345, 0.4419

Complementary

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



28.3050, 0.2055, 0.2456



20.2448, 0.5491, 0.3772

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.



28.3050, 0.3920, 0.4357



28.3050, 0.2055, 0.2456



28.3050, 0.4358, 0.3538

Square

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



28.3050, 0.2055, 0.2456



28.3050, 0.3443, 0.2660



28.3050, 0.4303, 0.4006



28.3050, 0.2742, 0.4070

Rectangle

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



28.3050, 0.2055, 0.2456



28.3050, 0.2626, 0.2344



28.3050, 0.4303, 0.4006



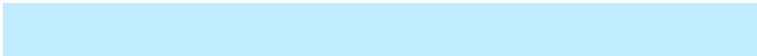
28.3050, 0.3549, 0.4442

Sweetspot

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



28.3060, 0.2055, 0.2456



78.1442, 0.2740, 0.3080



45.6808, 0.2846, 0.5258



16.1533, 0.2687, 0.3047



0.0000, 0.0000, 0.0000



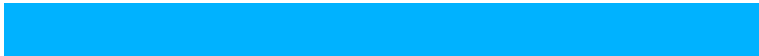
21.4041, 0.3127, 0.3290

Same Dimension

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



28.3060, 0.2055, 0.2456



38.9733, 0.1958, 0.2250



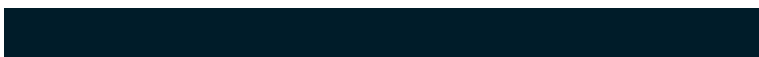
9.1927, 0.1694, 0.1102



12.7775, 0.2983, 0.3218



15.6391, 0.1966, 0.2279



1.0105, 0.2024, 0.2486

Inverse Universe

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



16.8484, 0.3950, 0.2063



24.4655, 0.4179, 0.2076



43.1467, 0.4456, 0.4698



11.9455, 0.3183, 0.3129



9.6500, 0.4149, 0.2059



0.5533, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 28.3050, 0.2055, 0.2456 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 28.3050, 0.2055, 0.2456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

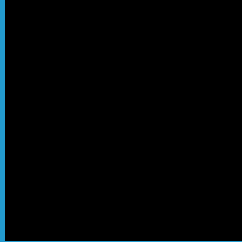
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3050, 0.2055, 0.2456

Background



This preview shows how black text looks on a background with the Yxy color 28.3050, 0.2055, 0.2456.

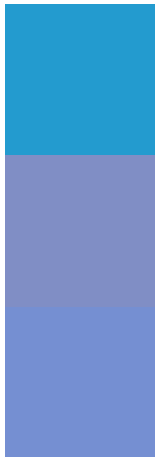


This preview shows how white text looks on a background with the Yxy color 28.3050, 0.2055, 0.2456.

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

28.3050, 0.2055, 0.2456

Protanopia

27.9664, 0.2528, 0.2468

Deuteranopia

28.0800, 0.2365, 0.2306



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.3050, 0.2055, 0.2456

Protanomaly

27.4642, 0.2280, 0.2446

Deuteranomaly

27.4971, 0.2199, 0.2337

Tritanomaly

28.0421, 0.2128, 0.2821

Monochromacy



Original Color

28.3050, 0.2055, 0.2456

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

22.2502, 0.2528, 0.2940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3050, 0.2055, 0.2456 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(35, 155, 207)` looks like.

```
.text, #text, p{  
    color:rgb(35, 155, 207)  
}
```

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(35, 155, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 155, 207) }
```

Border

The CSS property to change the border of an element to Yxy 28.3050, 0.2055, 0.2456 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(35, 155, 207) }
```

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

```
.border{ border-color:rgb(35, 155, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 155, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 155, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 155, 207);  
box-shadow:4px 4px 4px 4px rgb(35, 155,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3050, 0.2055, 0.2456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 155, 207) }
```

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

```
.background{ background-color: rgb(35, 155,  
207) }
```

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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