

Converting Colors

$Yxy(28.1426, 0.2025, 0.2323)$

Have a look what the booklet for
Yxy(28.1426, 0.2025, 0.2323)
contains.

Yxy(28.1399, 0.2026, 0.2324)	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

Yxy(28.1399, 0.2026, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	2899D7
RGB	40, 153, 215
RGB Percent	16%, 60%, 84%
CMY	0.8428, 0.4000, 0.1570
CMYK	0.81, 0.29, 0.00, 0.16
HSL	201°, 69%, 50%
HSV	201°, 81%, 84%
XYZ	24.5316, 28.1399, 68.4124
YIQ	126.2810, -87.2500, -4.6740

Conversions

Conversions Part 2

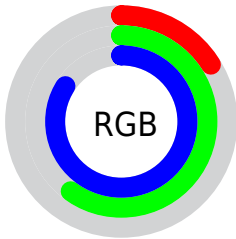
Format	Color
R_{YB}	40, 109, 215
Decimal	2660823
CIE _{Lab}	60.01, -9.30, -40.24
CIE _{LCh}	60, 41.301, 256.980
Yxy	28.1399, 0.2026, 0.2324
Android (android.graphics.Color)	4280850903 (0xFF2899D7)
YUV	126.2810, 43.7385, -75.6684
Hunter-Lab	53.0471, -10.2851, -39.3307

Details

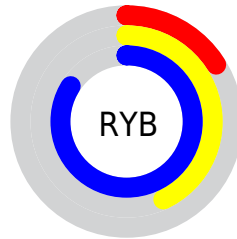
The Yxy color **28.1399, 0.2026, 0.2324** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **24.1122, 0.5332, 0.3877**, and the grayscale version is **20.8437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4231, 0.2301, 0.2696**, and **12.0408, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **25.4076, 0.1956, 0.2188**, and if you desaturate by 10%, it is **31.2727, 0.2117, 0.2461**.

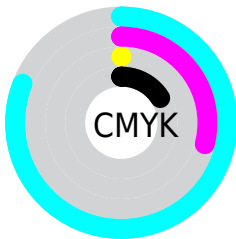
Distribution



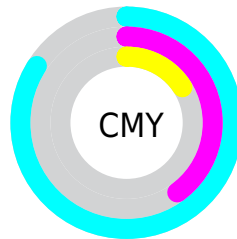
- Red (16%)
- Green (60%)
- Blue (84%)



- Red (16%)
- Yellow (43%)
- Blue (84%)



- Cyan (81%)
- Magenta (29%)
- Yellow (0%)
- Black (16%)



- Cyan (84%)
- Magenta (40%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.1399, 0.2026, 0.2324 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 28.1399, 0.2026, 0.2324 by changing the saturation by 10% instead.

■ 28.1399, 0.2026,
0.2324

■ 28.1399, 0.2026,
0.2324

■ 293.1348, 0.2589,
0.2833

■ 18.4311, 0.1886,
0.2193

■ 56.7077, 0.2231,
0.2513

■ 11.2600, 0.1710,
0.2024

■ 76.3356, 0.2308,
0.2583

■ 6.2420, 0.1482,
0.1802

■ 100.0386, 0.2373,
0.2642

■ 2.9928, 0.1185,
0.1501

■ 128.2012, 0.2429,
0.2692

■ 1.1280, 0.0799,
0.1091

■ 161.2077, 0.2477,
0.2735

■ 0.0017, 0.0000,
0.0004

199.4425, 0.2519,

■ 0.0000, 0.0000,

0.2772

0.0000

243.2901, 0.2556,
0.2804

■ 28.1399, 0.2026,
0.2324

■ 28.1399, 0.2026,
0.2324

■ 25.4076, 0.1956,
0.2188

■ 31.2727, 0.2117,
0.2461

■ 23.3114, 0.1909,
0.2074

■ 34.8408, 0.2228,
0.2597

■ 38.8770, 0.2355,
0.2730

■ 43.4093, 0.2494,
0.2856

■ 48.4630, 0.2643,
0.2976

■ 54.0615, 0.2797,
0.3086

■ 60.2264, 0.2952,
0.3187

■ 66.9780, 0.3107,
0.3278

■ 74.3353, 0.3257,
0.3360

Harmonies

Analogous

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



28.1399, 0.1933, 0.2664



28.1399, 0.2026, 0.2324



28.1399, 0.2376, 0.2243

Triad

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



28.1399, 0.2026, 0.2324



28.1399, 0.4242, 0.3172



28.1399, 0.3178, 0.4469

Complementary

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



28.1399, 0.2026, 0.2324



24.1122, 0.5332, 0.3877

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.



28.1399, 0.3825, 0.4503



28.1399, 0.2026, 0.2324



28.1399, 0.4486, 0.3685

Square

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



28.1399, 0.2026, 0.2324



28.1399, 0.3653, 0.2715



28.1399, 0.4314, 0.4173



28.1399, 0.2551, 0.3977

Rectangle

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



28.1399, 0.2026, 0.2324



28.1399, 0.2740, 0.2315



28.1399, 0.4314, 0.4173



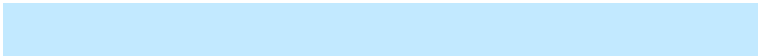
28.1399, 0.3400, 0.4532

Sweetspot

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



28.1408, 0.2026, 0.2324



77.1179, 0.2752, 0.3055



49.9874, 0.2807, 0.5095



15.8699, 0.2697, 0.3015



0.0000, 0.0000, 0.0000



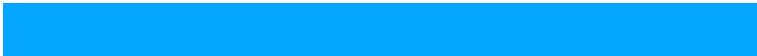
21.4041, 0.3127, 0.3290

Same Dimension

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



28.1408, 0.2026, 0.2324



34.6869, 0.1916, 0.2088



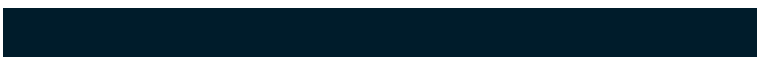
9.2918, 0.1685, 0.1036



13.3329, 0.2982, 0.3205



14.1526, 0.1915, 0.2094



1.0069, 0.1979, 0.2324

Inverse Universe

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



18.2669, 0.4080, 0.2158



24.1402, 0.4353, 0.2179



50.8822, 0.4358, 0.4764



12.5545, 0.3191, 0.3141



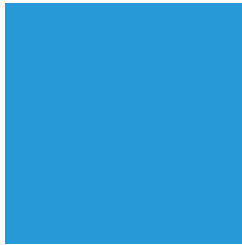
9.7736, 0.4348, 0.2169



0.6050, 0.4101, 0.2033

Previews

White Background



This preview shows how the Yxy color 28.1399, 0.2026, 0.2324 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 28.1399, 0.2026, 0.2324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

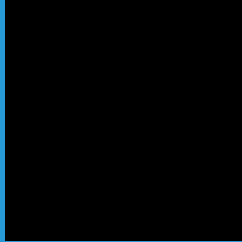
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

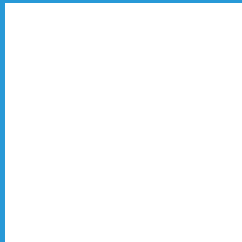
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 28.1399, 0.2026, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 28.1399, 0.2026, 0.2324.



This preview shows how white text looks on a background with the Yxy color 28.1399, 0.2026, 0.2324.

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

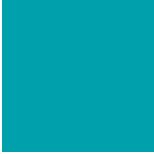
28.1399, 0.2026, 0.2324

Protanopia

27.6685, 0.2434, 0.2345

Deuteranopia

27.9059, 0.2273, 0.2213



Tritanopia

28.1202, 0.2187, 0.3072

Trichromacy



Original Color

28.1399, 0.2026, 0.2324

Protanomaly

27.1814, 0.2225, 0.2313

Deuteranomaly

27.7101, 0.2151, 0.2251

Tritanomaly

27.8463, 0.2112, 0.2757

Monochromacy



Original Color

28.1399, 0.2026, 0.2324

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.5098, 0.2530, 0.2891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1399, 0.2026, 0.2324 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(40, 153, 215)` looks like.

```
.text, #text, p{  
    color:rgb(40, 153, 215)  
}
```

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(40, 153, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 153, 215) }
```

Border

The CSS property to change the border of an element to Yxy 28.1399, 0.2026, 0.2324 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(40, 153, 215) }
```

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

```
.border{ border-color:rgb(40, 153, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 153, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 153, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 153, 215);  
box-shadow:4px 4px 4px 4px rgb(40, 153,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1399, 0.2026, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 153, 215) }
```

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

```
.background{ background-color: rgb(40, 153,  
215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor