

Converting Colors

$Y_{xy}(28.6728, 0.2262, 0.2804)$

Have a look what the booklet for
Yxy(28.6728, 0.2262, 0.2804)
contains.

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Color

$Y_{xy}(28.5087, 0.2264, 0.2802)$

Conversions

Conversions Part 1

Format	Color
Hex	449CB9
RGB	68, 156, 185
RGB Percent	27%, 61%, 73%
CMY	0.7330, 0.3883, 0.2744
CMYK	0.63, 0.16, 0.00, 0.27
HSL	195°, 46%, 50%
HSV	195°, 63%, 73%
XYZ	23.0349, 28.5087, 50.2005
YIQ	132.9940, -61.7570, -9.6370

Conversions

Conversions Part 2

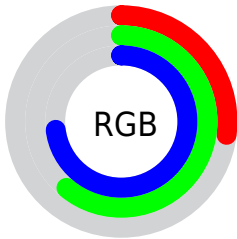
Format	Color
R _Y B	68, 118, 185
Decimal	4496569
CIE Lab	60.35, -17.34, -22.88
CIE LCh	60, 28.706, 232.837
Yxy	28.5087, 0.2264, 0.2802
Android (android.graphics.Color)	4282686649 (0xFF449CB9)
YUV	132.9940, 25.6390, -56.9997
Hunter-Lab	53.3935, -16.4308, -18.3689

Details

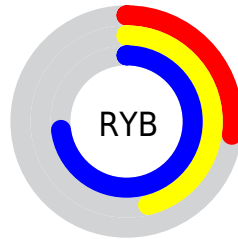
The Yxy color **28.5087, 0.2264, 0.2802** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **19.3048, 0.4826, 0.3676**, and the grayscale version is **23.3826, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4514, 0.2431, 0.2914**, and **11.7691, 0.2066, 0.2639** is the 20% darker color. If you saturate the color by 10%, you get **26.4330, 0.2172, 0.2711**, and if you desaturate by 10%, it is **30.8548, 0.2373, 0.2891**.

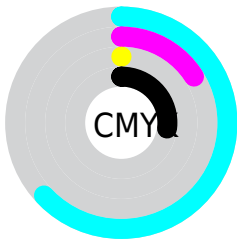
Distribution



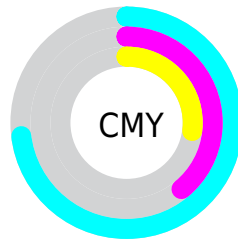
- Red (27%)
- Green (61%)
- Blue (73%)



- Red (27%)
- Yellow (46%)
- Blue (73%)



- Cyan (63%)
- Magenta (16%)
- Yellow (0%)
- Black (27%)



- Cyan (73%)
- Magenta (39%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5087, 0.2264, 0.2802 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 28.5087, 0.2264, 0.2802 by changing the saturation by 10% instead.

■ 28.5087, 0.2264,
0.2802

■ 28.5087, 0.2264,
0.2802

■ 294.8898, 0.2714,
0.3073

■ 18.7095, 0.2147,
0.2725

■ 57.2956, 0.2431,
0.2907

■ 11.4605, 0.1995,
0.2622

■ 77.0520, 0.2493,
0.2945

■ 6.3775, 0.1791,
0.2475

■ 100.8964, 0.2545,
0.2976

■ 3.0760, 0.1506,
0.2253

■ 129.2129, 0.2589,
0.3001

■ 1.1715, 0.1078,
0.1898

■ 162.3862, 0.2627,
0.3023

■ 0.0383, 0.0000,
0.0207

200.8005, 0.2660,

■ 0.0000, 0.0000,

0.3042

0.0000

244.8402, 0.2689,
0.3059

■ 28.5087, 0.2264,
0.2802

■ 28.5087, 0.2264,
0.2802

■ 26.4330, 0.2172,
0.2711

■ 30.8548, 0.2373,
0.2891

■ 24.6033, 0.2100,
0.2619

■ 33.4866, 0.2497,
0.2978

■ 22.9955, 0.2047,
0.2527

■ 36.4217, 0.2633,
0.3059

■ 21.9959, 0.2018,
0.2466

■ 39.6753, 0.2777,
0.3136

■ 43.2614, 0.2926,
0.3206

■ 47.1929, 0.3078,
0.3271

■ 51.4823, 0.3230,
0.3329

■ 56.1410, 0.3380,
0.3381

■ 61.1802, 0.3525,
0.3427

Harmonies

Analogous

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



28.5087, 0.2363, 0.3196



28.5087, 0.2264, 0.2802



28.5087, 0.2371, 0.2578

Triad

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



28.5087, 0.2264, 0.2802



28.5087, 0.3587, 0.2942



28.5087, 0.3553, 0.4145

Complementary

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



28.5087, 0.2264, 0.2802



19.3048, 0.4826, 0.3676

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.



28.5087, 0.3918, 0.3991



28.5087, 0.2264, 0.2802



28.5087, 0.3951, 0.3296

Square

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



28.5087, 0.2264, 0.2802



28.5087, 0.3108, 0.2673



28.5087, 0.4072, 0.3673



28.5087, 0.3090, 0.4035

Rectangle

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



28.5087, 0.2264, 0.2802



28.5087, 0.2550, 0.2533



28.5087, 0.4072, 0.3673



28.5087, 0.3692, 0.4119

Sweetspot

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



28.5097, 0.2264, 0.2802



73.4675, 0.2835, 0.3164



36.7726, 0.2892, 0.4873



15.4542, 0.2792, 0.3143



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.



28.5097, 0.2264, 0.2802



45.9549, 0.2141, 0.2674



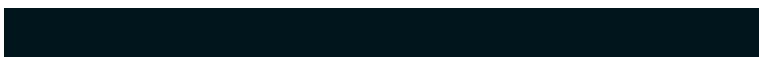
13.7088, 0.2028, 0.1779



9.8228, 0.2985, 0.3232



15.0926, 0.2022, 0.2477



0.6236, 0.2086, 0.2711

Inverse Universe

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



16.8607, 0.3593, 0.2157



25.3680, 0.3733, 0.2010



33.7933, 0.4251, 0.4408



9.1236, 0.3174, 0.3120



8.3059, 0.3945, 0.1947



0.3020, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 28.5087, 0.2264, 0.2802 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 28.5087, 0.2264, 0.2802 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 28.5087, 0.2264, 0.2802

Background



This preview shows how black text looks on a background with the Yxy color 28.5087, 0.2264, 0.2802.

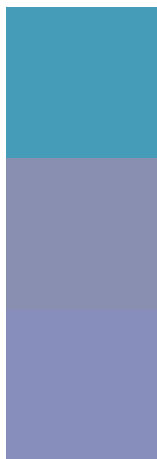


This preview shows how white text looks on a background with the Yxy color 28.5087, 0.2264, 0.2802.

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

28.5087, 0.2264, 0.2802

Protanopia

28.0979, 0.2767, 0.2779

Deuteranopia

28.1277, 0.2652, 0.2596



Tritanopia

28.3861, 0.2318, 0.3060

Trichromacy



Original Color

28.5087, 0.2264, 0.2802

Protanomaly

27.8792, 0.2541, 0.2789

Deuteranomaly

27.8348, 0.2477, 0.2656

Tritanomaly

28.3385, 0.2299, 0.2960

Monochromacy



Original Color

28.5087, 0.2264, 0.2802

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

24.5680, 0.2708, 0.3095

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5087, 0.2264, 0.2802 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(68, 156, 185)` looks like.

```
.text, #text, p{  
    color:rgb(68, 156, 185)  
}
```

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(68, 156, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 156, 185) }
```

Border

The CSS property to change the border of an element to Yxy 28.5087, 0.2264, 0.2802 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(68, 156, 185) }
```

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

```
.border{ border-color:rgb(68, 156, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 156, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 156, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 156, 185);  
box-shadow:4px 4px 4px 4px rgb(68, 156,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5087, 0.2264, 0.2802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 156, 185) }
```

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

```
.background{ background-color: rgb(68, 156,  
185) }
```

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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