

Converting Colors

$Y_{xy}(29.2498, 0.2283, 0.2760)$

Have a look what the booklet for
Yxy(29.2498, 0.2283, 0.2760)
contains.

Yxy(29.3246, 0.2284, 0.2765)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3246, 0.2284, 0.2765)

Conversions

Conversions Part 1

Format	Color
Hex	4C9DBD
RGB	76, 157, 189
RGB Percent	30%, 62%, 74%
CMY	0.7017, 0.3843, 0.2590
CMYK	0.60, 0.17, 0.00, 0.26
HSL	197°, 46%, 52%
HSV	197°, 60%, 74%
XYZ	24.2233, 29.3246, 52.5085
YIQ	136.4290, -58.5480, -7.2200

Conversions

Conversions Part 2

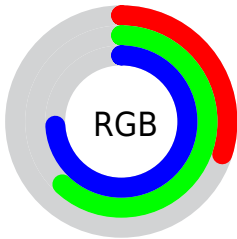
Format	Color
R_{YB}	76, 123, 189
Decimal	5021117
CIE _{Lab}	61.07, -15.18, -23.96
CIE _{LCh}	61, 28.367, 237.650
Yxy	29.3246, 0.2284, 0.2765
Android (android.graphics.Color)	4283211197 (0xFF4C9DBD)
YUV	136.4290, 25.9175, -52.9962
Hunter-Lab	54.1522, -14.9200, -19.5839

Details

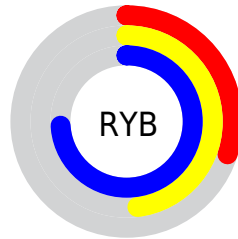
The Yxy color **29.3246, 0.2284, 0.2765** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.0691, 0.4657, 0.3717**, and the grayscale version is **24.7129, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7479, 0.2448, 0.2884**, and **12.0856, 0.2051, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **26.8903, 0.2181, 0.2660**, and if you desaturate by 10%, it is **32.0677, 0.2403, 0.2867**.

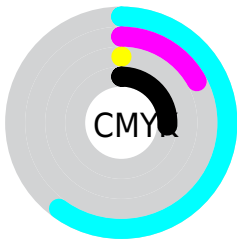
Distribution



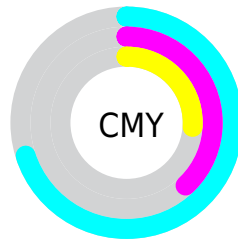
- Red (30%)
- Green (62%)
- Blue (74%)



- Red (30%)
- Yellow (48%)
- Blue (74%)



- Cyan (60%)
- Magenta (17%)
- Yellow (0%)
- Black (26%)



- Cyan (70%)
- Magenta (38%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3246, 0.2284, 0.2765 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 29.3246, 0.2284, 0.2765 by changing the saturation by 10% instead.

■ 29.3246, 0.2284,
0.2765

■ 29.3246, 0.2284,
0.2765

■ 298.7434, 0.2722,
0.3053

■ 19.3265, 0.2171,
0.2685

■ 58.5924, 0.2446,
0.2876

■ 11.9064, 0.2024,
0.2578

■ 78.6309, 0.2506,
0.2915

■ 6.6800, 0.1827,
0.2428

■ 102.7851, 0.2557,
0.2948

■ 3.2628, 0.1553,
0.2205

■ 131.4392, 0.2600,
0.2976

■ 1.2704, 0.1157,
0.1852

■ 164.9777, 0.2637,
0.3000

■ 0.1181, 0.0000,
0.0540

■ 203.7849, 0.2669,

■ 0.0000, 0.0000,

0.3020

0.0000

248.2454, 0.2697,
0.3037

■ 29.3246, 0.2284,
0.2765

■ 29.3246, 0.2284,
0.2765

■ 26.8903, 0.2181,
0.2660

■ 32.0677, 0.2403,
0.2867

■ 24.7400, 0.2097,
0.2554

■ 35.1354, 0.2536,
0.2965

■ 22.8495, 0.2032,
0.2447

■ 38.5460, 0.2678,
0.3057

■ 21.1711, 0.1985,
0.2343

■ 42.3153, 0.2827,
0.3142

■ 21.1302, 0.1983,
0.2340

■ 46.4579, 0.2979,
0.3221

■ 50.9877, 0.3131,
0.3292

■ 55.9175, 0.3282,
0.3356

■ 61.2597, 0.3428,
0.3413

■ 67.0261, 0.3570,
0.3463

Harmonies

Analogous

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



29.3246, 0.2349, 0.3129



29.3246, 0.2284, 0.2765



29.3246, 0.2421, 0.2574

Triad

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



29.3246, 0.2284, 0.2765



29.3246, 0.3646, 0.3000



29.3246, 0.3475, 0.4128

Complementary

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



29.3246, 0.2284, 0.2765



22.0691, 0.4657, 0.3717

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.



29.3246, 0.3856, 0.4015



29.3246, 0.2284, 0.2765



29.3246, 0.3971, 0.3357

Square

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



29.3246, 0.2284, 0.2765



29.3246, 0.3185, 0.2719



29.3246, 0.4046, 0.3722



29.3246, 0.3018, 0.3975

Rectangle

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



29.3246, 0.2284, 0.2765



29.3246, 0.2615, 0.2548



29.3246, 0.4046, 0.3722



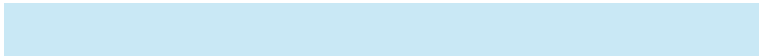
29.3246, 0.3617, 0.4117

Sweetspot

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



29.3257, 0.2284, 0.2765



76.8569, 0.2849, 0.3154



38.9645, 0.2876, 0.4712



16.0837, 0.2805, 0.3130



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.3257, 0.2284, 0.2765



46.8120, 0.2150, 0.2624



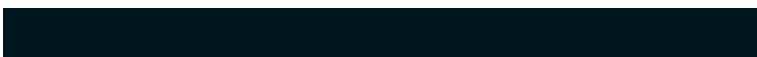
14.7949, 0.2072, 0.1808



10.3405, 0.2985, 0.3224



14.3573, 0.1987, 0.2353



0.6682, 0.2057, 0.2604

Inverse Universe

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



18.4266, 0.3617, 0.2248



27.5122, 0.3772, 0.2095



37.3981, 0.4159, 0.4404



9.6489, 0.3180, 0.3127



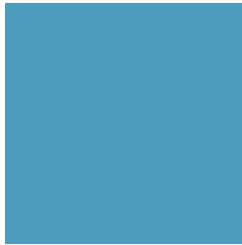
8.4791, 0.4071, 0.2016



0.3428, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 29.3246, 0.2284, 0.2765 looks on a white background.

Color Contrast Check

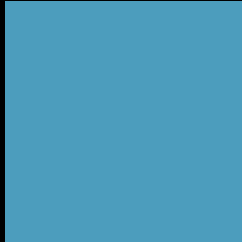
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3246, 0.2284, 0.2765 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

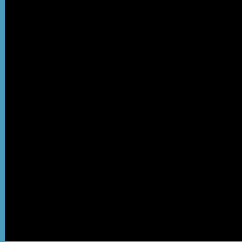
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3246, 0.2284, 0.2765

Background



This preview shows how black text looks on a background with the Yxy color 29.3246, 0.2284, 0.2765.

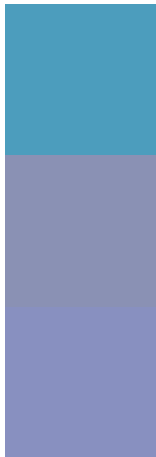


This preview shows how white text looks on a background with the Yxy color 29.3246, 0.2284, 0.2765.

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

29.3246, 0.2284, 0.2765

Protanopia

28.9494, 0.2746, 0.2756

Deuteranopia

28.9865, 0.2634, 0.2576



Tritanopia

29.4240, 0.2350, 0.3064

Trichromacy



Original Color

29.3246, 0.2284, 0.2765

Protanomaly

28.5586, 0.2539, 0.2750

Deuteranomaly

28.8339, 0.2477, 0.2637

Tritanomaly

29.4287, 0.2327, 0.2951

Monochromacy



Original Color

29.3246, 0.2284, 0.2765

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.8905, 0.2733, 0.3100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3246, 0.2284, 0.2765 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(76, 157, 189)` looks like.

```
.text, #text, p{  
    color:rgb(76, 157, 189)  
}
```

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(76, 157, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 157, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.3246, 0.2284, 0.2765 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(76, 157, 189) }
```

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

```
.border{ border-color:rgb(76, 157, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 157, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 157, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 157, 189);  
box-shadow:4px 4px 4px 4px rgb(76, 157,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3246, 0.2284, 0.2765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 157, 189) }
```

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

```
.background{ background-color: rgb(76, 157,  
189) }
```

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