

Converting Colors

$Y_{xy}(29.3819, 0.2265, 0.2731)$

Have a look what the booklet for
Yxy(29.3819, 0.2265, 0.2731)
contains.

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Color

$\text{Yxy}(29.3714, 0.2268, 0.2735)$

Conversions

Conversions Part 1

Format	Color
Hex	4B9DBF
RGB	75, 157, 191
RGB Percent	29%, 62%, 75%
CMY	0.7062, 0.3843, 0.2511
CMYK	0.61, 0.18, 0.00, 0.25
HSL	198°, 48%, 52%
HSV	198°, 61%, 75%
XYZ	24.3562, 29.3714, 53.6632
YIQ	136.3580, -59.7860, -6.8100

Conversions

Conversions Part 2

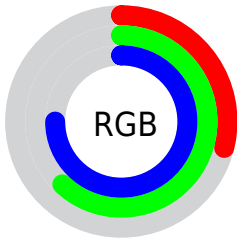
Format	Color
RYB	75, 123, 191
Decimal	4955583
CIELab	61.11, -14.78, -25.04
CIElCh	61, 29.071, 239.449
Yxy	29.3714, 0.2268, 0.2735
Android (android.graphics.Color)	4283145663 (0xFF4B9DBF)
YUV	136.3580, 26.9385, -53.8110
Hunter-Lab	54.1954, -14.6213, -20.7710

Details

The Yxy color **29.3714, 0.2268, 0.2735** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **22.4955, 0.4685, 0.3737**, and the grayscale version is **24.6694, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.8707, 0.2438, 0.2861**, and **12.1142, 0.2045, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **26.8668, 0.2166, 0.2626**, and if you desaturate by 10%, it is **32.1957, 0.2387, 0.2841**.

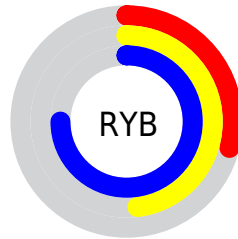
Distribution



Red (29%)

Green (62%)

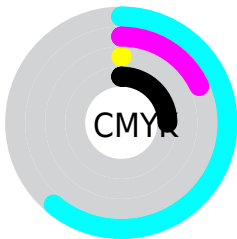
Blue (75%)



Red (29%)

Yellow (48%)

Blue (75%)

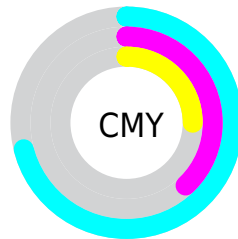


Cyan (61%)

Magenta (18%)

Yellow (0%)

Black (25%)



Cyan (71%)


Magenta (38%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3714, 0.2268, 0.2735 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 29.3714, 0.2268, 0.2735 by changing the saturation by 10% instead.


 29.3714, 0.2268,
0.2735


 29.3714, 0.2268,
0.2735


 298.9633, 0.2714,
0.3038


 19.3620, 0.2153,
0.2651


 58.6667, 0.2433,
0.2851

 11.9321, 0.2005,
0.2539


 78.7212, 0.2494,
0.2893


 6.6975, 0.1806,
0.2383


 102.8930, 0.2545,
0.2928

 3.2736, 0.1531,
0.2154

 131.5664, 0.2589,
0.2957

 1.2762, 0.1136,
0.1793

 165.1257, 0.2627,
0.2982

 0.1227, 0.0000,
0.0527

 203.9553, 0.2660,

 0.0000, 0.0000,

0.3003

0.0000

248.4397, 0.2688,
0.3022

■ 29.3714, 0.2268,
0.2735

■ 29.3714, 0.2268,
0.2735

■ 26.8668, 0.2166,
0.2626

■ 32.1957, 0.2387,
0.2841

■ 24.6561, 0.2082,
0.2515

■ 35.3564, 0.2519,
0.2943

■ 22.7139, 0.2018,
0.2405

■ 38.8725, 0.2662,
0.3039

■ 21.1121, 0.1974,
0.2305

■ 42.7604, 0.2811,
0.3128

■ 47.0355, 0.2963,
0.3210

■ 51.7119, 0.3116,
0.3285

■ 56.8033, 0.3266,
0.3351

■ 62.3224, 0.3413,
0.3411

■ 68.2812, 0.3555,
0.3464

Harmonies

Analogous

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



29.3714, 0.2321, 0.3097



29.3714, 0.2268, 0.2735



29.3714, 0.2419, 0.2552

Triad

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



29.3714, 0.2268, 0.2735



29.3714, 0.3684, 0.3014



29.3714, 0.3455, 0.4148

Complementary

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



29.3714, 0.2268, 0.2735



22.4955, 0.4685, 0.3737

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.



29.3714, 0.3854, 0.4045



29.3714, 0.2268, 0.2735



29.3714, 0.4004, 0.3380

Square

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



29.3714, 0.2268, 0.2735



29.3714, 0.3215, 0.2721



29.3714, 0.4063, 0.3752



29.3714, 0.2987, 0.3974

Rectangle

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



29.3714, 0.2268, 0.2735



29.3714, 0.2625, 0.2534



29.3714, 0.4063, 0.3752



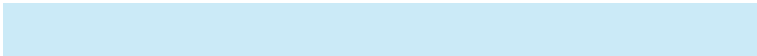
29.3714, 0.3603, 0.4142

Sweetspot

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



29.3725, 0.2268, 0.2735



78.4368, 0.2848, 0.3149



39.8242, 0.2863, 0.4708



16.7465, 0.2804, 0.3124



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.



29.3725, 0.2268, 0.2735



46.7305, 0.2135, 0.2588



14.3822, 0.2046, 0.1745



10.3250, 0.2985, 0.3221



14.0225, 0.1978, 0.2320



0.6571, 0.2050, 0.2580

Inverse Universe

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



18.5311, 0.3646, 0.2246



27.7443, 0.3807, 0.2101



38.7932, 0.4161, 0.4440



9.6474, 0.3181, 0.3129



8.4453, 0.4106, 0.2035



0.3417, 0.3844, 0.1891

Previews

White Background



This preview shows how the Yxy color 29.3714, 0.2268, 0.2735 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 29.3714, 0.2268, 0.2735 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 29.3714, 0.2268, 0.2735

Background



This preview shows how black text looks on a background with the Yxy color 29.3714, 0.2268, 0.2735.

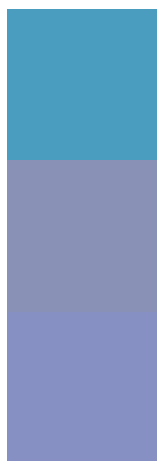


This preview shows how white text looks on a background with the Yxy color 29.3714, 0.2268, 0.2735.

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

29.3714, 0.2268, 0.2735

Protanopia

29.0315, 0.2730, 0.2728

Deuteranopia

28.9925, 0.2611, 0.2548



Tritanopia

29.3520, 0.2341, 0.3064

Trichromacy



Original Color

29.3714, 0.2268, 0.2735

Protanomaly

28.6425, 0.2525, 0.2722

Deuteranomaly

28.8559, 0.2457, 0.2608

Tritanomaly

29.3937, 0.2312, 0.2934

Monochromacy



Original Color

29.3714, 0.2268, 0.2735

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.9242, 0.2725, 0.3083

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3714, 0.2268, 0.2735 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(75, 157, 191)` looks like.

```
.text, #text, p{  
    color:rgb(75, 157, 191)  
}
```

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(75, 157, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 157, 191) }
```

Border

The CSS property to change the border of an element to Yxy 29.3714, 0.2268, 0.2735 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(75, 157, 191) }
```

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

```
.border{ border-color:rgb(75, 157, 191) }
```

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

Here you see how a box with a 4 pixel rgb(75, 157, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 157, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 157, 191);  
box-shadow:4px 4px 4px 4px rgb(75, 157,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3714, 0.2268, 0.2735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 157, 191) }
```

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

```
.background{ background-color: rgb(75, 157,  
191) }
```

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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