

Converting Colors

$Y_{xy}(29.1274, 0.2237, 0.2764)$

Have a look what the booklet for
Yxy(29.1274, 0.2237, 0.2764)
contains.

Yxy(29.2517, 0.2239, 0.2776)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(29.2517, 0.2239, 0.2776)$

Conversions

Conversions Part 1

Format	Color
Hex	419EBD
RGB	65, 158, 189
RGB Percent	25%, 62%, 74%
CMY	0.7448, 0.3804, 0.2589
CMYK	0.66, 0.16, 0.00, 0.26
HSL	195°, 49%, 50%
HSV	195°, 66%, 74%
XYZ	23.5931, 29.2517, 52.5287
YIQ	133.7270, -65.3790, -10.0750

Conversions

Conversions Part 2

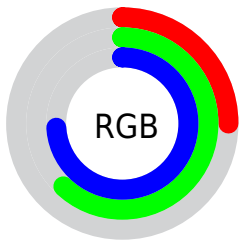
Format	Color
R _Y B	65, 118, 189
Decimal	4300477
CIE Lab	61.00, -17.68, -24.09
CIE LCh	61, 29.883, 233.735
Yxy	29.2517, 0.2239, 0.2776
Android (android.graphics.Color)	4282490557 (0xFF419EBD)
YUV	133.7270, 27.2496, -60.2736
Hunter-Lab	54.0848, -16.7824, -19.7247

Details

The Yxy color **29.2517, 0.2239, 0.2776** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **19.5730, 0.4919, 0.3685**, and the grayscale version is **23.6588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6167, 0.2412, 0.2893**, and **12.2930, 0.2058, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **27.1305, 0.2152, 0.2684**, and if you desaturate by 10%, it is **31.6528, 0.2344, 0.2867**.

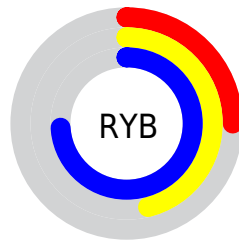
Distribution



Red (25%)

Green (62%)

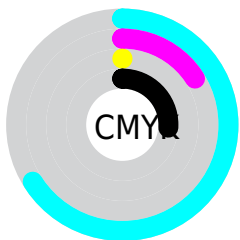
Blue (74%)



Red (25%)

Yellow (46%)

Blue (74%)

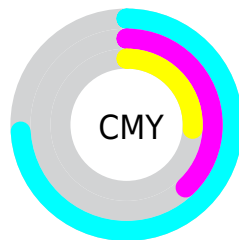


Cyan (66%)

Magenta (16%)

Yellow (0%)

Black (26%)



Cyan (74%)

Magenta (38%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.2517, 0.2239, 0.2776 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 29.2517, 0.2239, 0.2776 by changing the saturation by 10% instead.

■ 29.2517, 0.2239,
0.2776

■ 29.2517, 0.2239,
0.2776

■ 298.4007, 0.2700,
0.3060

■ 19.2713, 0.2121,
0.2696

■ 58.4768, 0.2409,
0.2886

■ 11.8665, 0.1967,
0.2589

■ 78.4902, 0.2472,
0.2925

■ 6.6528, 0.1763,
0.2439

■ 102.6168, 0.2526,
0.2957

■ 3.2459, 0.1480,
0.2215

■ 131.2409, 0.2571,
0.2985

■ 1.2614, 0.1070,
0.1858

■ 164.7470, 0.2610,
0.3008

■ 0.1111, 0.0000,
0.0508

■ 203.5194, 0.2643,

■ 0.0000, 0.0000,

0.3028

0.0000

247.9425, 0.2673,
0.3045

■ 29.2517, 0.2239,
0.2776

■ 29.2517, 0.2239,
0.2776

■ 27.1305, 0.2152,
0.2684

■ 31.6528, 0.2344,
0.2867

■ 25.2628, 0.2084,
0.2591

■ 34.3506, 0.2465,
0.2955

■ 23.6210, 0.2035,
0.2499

■ 37.3641, 0.2599,
0.3038

■ 22.9382, 0.2016,
0.2458

■ 40.7095, 0.2742,
0.3117

■ 44.4020, 0.2891,
0.3189

■ 48.4554, 0.3042,
0.3256

■ 52.8829, 0.3195,
0.3316

■ 57.6969, 0.3345,
0.3370

■ 62.9091, 0.3492,
0.3418

Harmonies

Analogous

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



29.2517, 0.2334, 0.3178



29.2517, 0.2239, 0.2776



29.2517, 0.2355, 0.2552

Triad

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



29.2517, 0.2239, 0.2776



29.2517, 0.3615, 0.2941



29.2517, 0.3551, 0.4174

Complementary

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



29.2517, 0.2239, 0.2776



19.5730, 0.4919, 0.3685

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.



29.2517, 0.3934, 0.4019



29.2517, 0.2239, 0.2776



29.2517, 0.3986, 0.3307

Square

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



29.2517, 0.2239, 0.2776



29.2517, 0.3122, 0.2662



29.2517, 0.4102, 0.3693



29.2517, 0.3073, 0.4053

Rectangle

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



29.2517, 0.2239, 0.2776



29.2517, 0.2542, 0.2510



29.2517, 0.4102, 0.3693



29.2517, 0.3696, 0.4149

Sweetspot

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



29.2528, 0.2239, 0.2776



76.3239, 0.2819, 0.3155



38.3166, 0.2889, 0.4943



16.0178, 0.2777, 0.3135



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.



29.2528, 0.2239, 0.2776



46.9797, 0.2117, 0.2640



13.5572, 0.1988, 0.1711



10.3946, 0.2985, 0.3231



15.5651, 0.2020, 0.2470



0.7077, 0.2080, 0.2689

Inverse Universe

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



17.0736, 0.3620, 0.2128



25.7862, 0.3769, 0.1991



34.9519, 0.4294, 0.4439



9.6544, 0.3175, 0.3120



8.6010, 0.3952, 0.1951



0.3468, 0.3739, 0.1833

Previews

White Background



This preview shows how the Yxy color 29.2517, 0.2239, 0.2776 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 29.2517, 0.2239, 0.2776 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

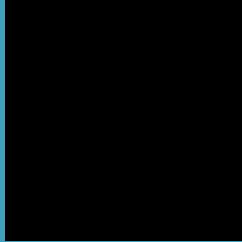
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.2517, 0.2239, 0.2776

Background



This preview shows how black text looks on a background with the Yxy color 29.2517, 0.2239, 0.2776.

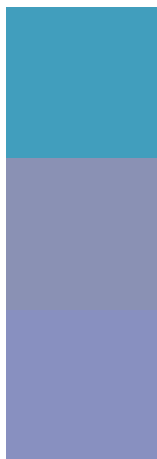


This preview shows how white text looks on a background with the Yxy color 29.2517, 0.2239, 0.2776.

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

29.2517, 0.2239, 0.2776

Protanopia

28.9494, 0.2746, 0.2756

Deuteranopia

28.9865, 0.2634, 0.2576



Tritanopia

29.4156, 0.2298, 0.3063

Trichromacy



Original Color

29.2517, 0.2239, 0.2776

Protanomaly

28.6111, 0.2511, 0.2762

Deuteranomaly

28.5715, 0.2449, 0.2632

Tritanomaly

29.3569, 0.2279, 0.2964

Monochromacy



Original Color

29.2517, 0.2239, 0.2776

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

25.2292, 0.2696, 0.3097

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.2517, 0.2239, 0.2776 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(65, 158, 189)` looks like.

```
.text, #text, p{  
    color:rgb(65, 158, 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(65, 158, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 158, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.2517, 0.2239, 0.2776 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(65, 158, 189) }
```

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

```
.border{ border-color:rgb(65, 158, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 158, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 158, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 158, 189);  
box-shadow:4px 4px 4px 4px rgb(65, 158,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.2517, 0.2239, 0.2776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 158, 189) }
```

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

```
.background{ background-color: rgb(65, 158,  
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](#).

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