

Converting Colors

$Y_{xy}(29.7028, 0.2420, 0.2972)$

Have a look what the booklet for
Yxy(29.7028, 0.2420, 0.2972)
contains.

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Color

Yxy(29.7028, 0.2420, 0.2972)

Conversions

Conversions Part 1

Format	Color
Hex	589EB1
RGB	88, 158, 177
RGB Percent	35%, 62%, 69%
CMY	0.6550, 0.3804, 0.3059
CMYK	0.50, 0.11, 0.00, 0.31
HSL	193°, 36%, 52%
HSV	193°, 50%, 69%
XYZ	24.1860, 29.7028, 46.0533
YIQ	139.2360, -47.8190, -8.9310

Conversions

Conversions Part 2

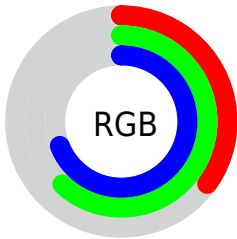
Format	Color
RYB	88, 127, 177
Decimal	5807793
CIELab	61.40, -16.76, -16.69
CIElCh	61, 23.652, 224.866
Yxy	29.7028, 0.2420, 0.2972
Android (android.graphics.Color)	4283997873 (0xFF589EB1)
YUV	139.2360, 18.6177, -44.9340
Hunter-Lab	54.5003, -16.1612, -11.9505

Details

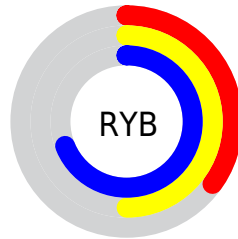
The Yxy color **29.7028, 0.2420, 0.2972** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.5634, 0.4367, 0.3571**, and the grayscale version is **25.8545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3113, 0.2555, 0.3041**, and **12.2036, 0.2200, 0.2873** is the 20% darker color. If you saturate the color by 10%, you get **27.6737, 0.2311, 0.2897**, and if you desaturate by 10%, it is **31.9835, 0.2544, 0.3044**.

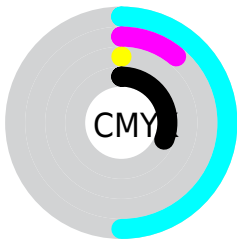
Distribution



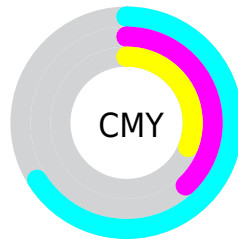
- Red (35%)
- Green (62%)
- Blue (69%)



- Red (35%)
- Yellow (50%)
- Blue (69%)



- Cyan (50%)
- Magenta (11%)
- Yellow (0%)
- Black (31%)




- Cyan (66%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7028, 0.2420, 0.2972 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 29.7028, 0.2420, 0.2972 by changing the saturation by 10% instead.


 29.7028, 0.2420,
0.2972


 29.7028, 0.2420,
0.2972


300.5167, 0.2790,
0.3150

 19.6131, 0.2323,
0.2921


 59.1919, 0.2558,
0.3042

 12.1141, 0.2195,
0.2851


 79.3600, 0.2609,
0.3066

 6.8215, 0.2022,
0.2750


 103.6565, 0.2652,
0.3086

 3.3507, 0.1773,
0.2594

 132.4656, 0.2688,
0.3103

 1.3174, 0.1395,
0.2327

166.1718, 0.2719,
0.3118

 0.1546, 0.0000,
0.1005

205.1594, 0.2746,

 0.0000, 0.0000,

0.3130

0.0000

249.8129, 0.2769,
0.3141

■ 29.7028, 0.2420,
0.2972

■ 29.7028, 0.2420,
0.2972

■ 27.6737, 0.2311,
0.2897

■ 31.9835, 0.2544,
0.3044

■ 25.8769, 0.2219,
0.2820

■ 34.5265, 0.2679,
0.3112

■ 24.2957, 0.2146,
0.2743

■ 37.3462, 0.2822,
0.3176

■ 22.9091, 0.2091,
0.2665

■ 40.4545, 0.2971,
0.3235

■ 21.7059, 0.2053,
0.2591

■ 43.8628, 0.3123,
0.3289

■ 47.5816, 0.3274,
0.3337

■ 51.6212, 0.3424,
0.3380

■ 55.9910, 0.3570,
0.3419

■ 60.7003, 0.3711,
0.3452

Harmonies

Analogous

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



29.7028, 0.2550, 0.3320



29.7028, 0.2420, 0.2972



29.7028, 0.2464, 0.2742

Triad

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



29.7028, 0.2420, 0.2972



29.7028, 0.3403, 0.2936



29.7028, 0.3571, 0.3970

Complementary

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



29.7028, 0.2420, 0.2972



20.5634, 0.4367, 0.3571

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.



29.7028, 0.3827, 0.3810



29.7028, 0.2420, 0.2972



29.7028, 0.3733, 0.3219

Square

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



29.7028, 0.2420, 0.2972



29.7028, 0.3012, 0.2737



29.7028, 0.3890, 0.3533



29.7028, 0.3205, 0.3933

Rectangle

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



29.7028, 0.2420, 0.2972



29.7028, 0.2587, 0.2673



29.7028, 0.3890, 0.3533



29.7028, 0.3673, 0.3935

Sweetspot

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



29.7039, 0.2420, 0.2972



69.6214, 0.2897, 0.3206



34.5549, 0.2940, 0.4549



14.8426, 0.2866, 0.3194



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



29.7039, 0.2420, 0.2972



49.3118, 0.2304, 0.2891



17.4396, 0.2271, 0.2194



9.3176, 0.2986, 0.3240



15.8171, 0.2055, 0.2599



0.5747, 0.2115, 0.2813

Inverse Universe

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



18.7934, 0.3427, 0.2317



28.5356, 0.3512, 0.2145



31.9591, 0.4028, 0.4173



8.6150, 0.3169, 0.3113



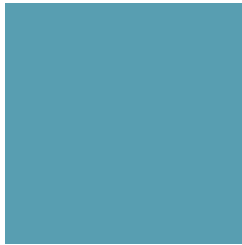
8.1369, 0.3825, 0.1881



0.2638, 0.3623, 0.1769

Previews

White Background



This preview shows how the Yxy color 29.7028, 0.2420, 0.2972 looks on a white background.

Color Contrast Check

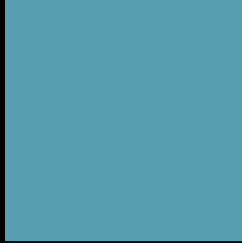
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7028, 0.2420, 0.2972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

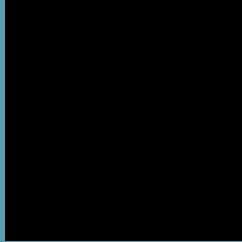
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7028, 0.2420, 0.2972

Background



This preview shows how black text looks on a background with the Yxy color 29.7028, 0.2420, 0.2972.



This preview shows how white text looks on a background with the Yxy color 29.7028, 0.2420, 0.2972.

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

29.7028, 0.2420, 0.2972

Protanopia

29.3516, 0.2895, 0.2936

Deuteranopia

29.3528, 0.2818, 0.2751



Tritanopia

29.7533, 0.2442, 0.3069

Trichromacy



Original Color

29.7028, 0.2420, 0.2972

Protanomaly

29.0763, 0.2694, 0.2938

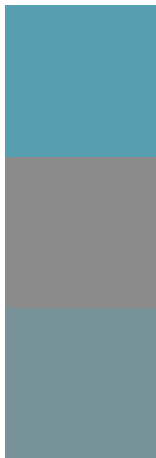
Deuteranomaly

29.1095, 0.2647, 0.2819

Tritanomaly

29.8785, 0.2436, 0.3037

Monochromacy



Original Color

29.7028, 0.2420, 0.2972

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.8507, 0.2807, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7028, 0.2420, 0.2972 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(88, 158, 177)` looks like.

```
.text, #text, p{  
    color:rgb(88, 158, 177)  
}
```

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(88, 158, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 158, 177) }
```

Border

The CSS property to change the border of an element to Yxy 29.7028, 0.2420, 0.2972 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(88, 158, 177) }
```

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

```
.border{ border-color:rgb(88, 158, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 158, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 158, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 158, 177);  
box-shadow:4px 4px 4px 4px rgb(88, 158,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7028, 0.2420, 0.2972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 158, 177) }
```

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

```
.background{ background-color: rgb(88, 158,  
177) }
```

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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