

Converting Colors

$Y_{xy}(29.9830, 0.2417, 0.2941)$

Have a look what the booklet for
Yxy(29.9830, 0.2417, 0.2941)
contains.

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Color

$Y_{xy}(29.8821, 0.2420, 0.2942)$

Conversions

Conversions Part 1

Format	Color
Hex	5A9EB3
RGB	90, 158, 179
RGB Percent	35%, 62%, 70%
CMY	0.6469, 0.3804, 0.2981
CMYK	0.50, 0.12, 0.00, 0.30
HSL	194°, 37%, 53%
HSV	194°, 50%, 70%
XYZ	24.5801, 29.8821, 47.1085
YIQ	140.0620, -47.2690, -7.8850

Conversions

Conversions Part 2

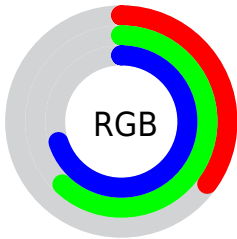
Format	Color
RYP	90, 129, 179
Decimal	5938867
CIELab	61.55, -15.72, -17.56
CIElCh	62, 23.566, 228.154
Yxy	29.8821, 0.2420, 0.2942
Android (android.graphics.Color)	4284128947 (0xFF5A9EB3)
YUV	140.0620, 19.1964, -43.9044
Hunter-Lab	54.6645, -15.3997, -12.8294

Details

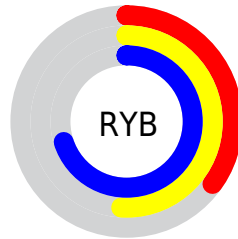
The Yxy color **29.8821, 0.2420, 0.2942** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.6904, 0.4331, 0.3597**, and the grayscale version is **26.1914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6064, 0.2555, 0.3018**, and **12.2978, 0.2199, 0.2829** is the 20% darker color. If you saturate the color by 10%, you get **27.6754, 0.2307, 0.2859**, and if you desaturate by 10%, it is **32.3566, 0.2547, 0.3022**.

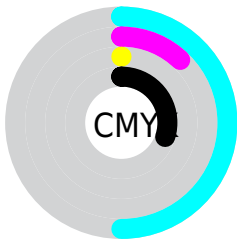
Distribution



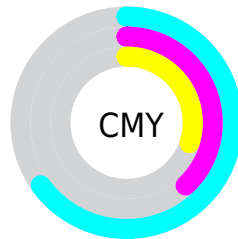
- Red (35%)
- Green (62%)
- Blue (70%)



- Red (35%)
- Yellow (51%)
- Blue (70%)



- Cyan (50%)
- Magenta (12%)
- Yellow (0%)
- Black (30%)



- Cyan (65%)
- Magenta (38%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8821, 0.2420, 0.2942 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 29.8821, 0.2420, 0.2942 by changing the saturation by 10% instead.

■ 29.8821, 0.2420,
0.2942

■ 29.8821, 0.2420,
0.2942

■ 301.3545, 0.2790,
0.3135

■ 19.7491, 0.2323,
0.2887

■ 59.4757, 0.2558,
0.3017

■ 12.2128, 0.2196,
0.2812

■ 79.7051, 0.2609,
0.3044

■ 6.8888, 0.2024,
0.2705

■ 104.0687, 0.2651,
0.3066

■ 3.3926, 0.1777,
0.2541

■ 132.9510, 0.2687,
0.3084

■ 1.3400, 0.1405,
0.2264

■ 166.7363, 0.2718,
0.3100

■ 0.1719, 0.0000,
0.1035

■ 205.8091, 0.2745,

■ 0.0000, 0.0000,

0.3113

0.0000

250.5537, 0.2769,
0.3125

■ 29.8821, 0.2420,
0.2942

■ 29.8821, 0.2420,
0.2942

■ 27.6754, 0.2307,
0.2859

■ 32.3566, 0.2547,
0.3022

■ 25.7170, 0.2211,
0.2773

■ 35.1102, 0.2685,
0.3097

■ 23.9894, 0.2133,
0.2686

■ 38.1575, 0.2830,
0.3168

■ 22.4711, 0.2075,
0.2600

■ 41.5110, 0.2980,
0.3233

■ 21.1192, 0.2032,
0.2514

■ 45.1825, 0.3132,
0.3292

■ 21.0796, 0.2031,
0.2511

■ 49.1828, 0.3283,
0.3345

■ 53.5225, 0.3431,
0.3392

■ 58.2115, 0.3576,
0.3434

■ 63.2593, 0.3715,
0.3471

Harmonies

Analogous

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



29.8821, 0.2531, 0.3278



29.8821, 0.2420, 0.2942



29.8821, 0.2482, 0.2729

Triad

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



29.8821, 0.2420, 0.2942



29.8821, 0.3443, 0.2965



29.8821, 0.3532, 0.3972

Complementary

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



29.8821, 0.2420, 0.2942



21.6904, 0.4331, 0.3597

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.



29.8821, 0.3803, 0.3832



29.8821, 0.2420, 0.2942



29.8821, 0.3756, 0.3253

Square

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



29.8821, 0.2420, 0.2942



29.8821, 0.3055, 0.2756



29.8821, 0.3890, 0.3565



29.8821, 0.3162, 0.3911

Rectangle

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



29.8821, 0.2420, 0.2942



29.8821, 0.2616, 0.2672



29.8821, 0.3890, 0.3565



29.8821, 0.3638, 0.3945

Sweetspot

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



29.8832, 0.2420, 0.2942



70.9580, 0.2896, 0.3197



35.5499, 0.2923, 0.4480



15.4475, 0.2865, 0.3184



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



29.8832, 0.2420, 0.2942



49.0924, 0.2293, 0.2847



17.4072, 0.2271, 0.2155



9.2851, 0.2986, 0.3235



15.0031, 0.2034, 0.2522



0.5547, 0.2100, 0.2760

Inverse Universe

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



19.3673, 0.3450, 0.2351



29.0948, 0.3550, 0.2173



33.8490, 0.3997, 0.4202



8.6118, 0.3172, 0.3118



8.0547, 0.3901, 0.1923



0.2618, 0.3672, 0.1796

Previews

White Background



This preview shows how the Yxy color 29.8821, 0.2420, 0.2942 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 29.8821, 0.2420, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

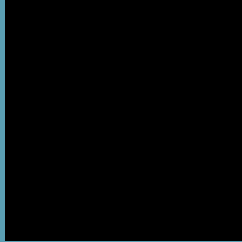
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8821, 0.2420, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 29.8821, 0.2420, 0.2942.



This preview shows how white text looks on a background with the Yxy color 29.8821, 0.2420, 0.2942.

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

29.8821, 0.2420, 0.2942

Protanopia

29.6474, 0.2869, 0.2922

Deuteranopia

29.6479, 0.2793, 0.2738



Tritanopia

29.8495, 0.2454, 0.3069

Trichromacy



Original Color

29.8821, 0.2420, 0.2942

Protanomaly

29.4743, 0.2680, 0.2924

Deuteranomaly

29.5089, 0.2634, 0.2806

Tritanomaly

30.0153, 0.2442, 0.3021

Monochromacy



Original Color

29.8821, 0.2420, 0.2942

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

27.3381, 0.2818, 0.3172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8821, 0.2420, 0.2942 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(90, 158, 179)` looks like.

```
.text, #text, p{  
    color:rgb(90, 158, 179)  
}
```

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(90, 158, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 158, 179) }
```

Border

The CSS property to change the border of an element to Yxy 29.8821, 0.2420, 0.2942 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(90, 158, 179) }
```

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

```
.border{ border-color:rgb(90, 158, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 158, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 158, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 158, 179);  
box-shadow:4px 4px 4px 4px rgb(90, 158,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8821, 0.2420, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 158, 179) }
```

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

```
.background{ background-color: rgb(90, 158,  
179) }
```

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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