

Converting Colors

$Y_{xy}(29.0175, 0.2440, 0.3050)$

Have a look what the booklet for
Yxy(29.0175, 0.2440, 0.3050)
contains.

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Color

$Y_{xy}(29.0326, 0.2442, 0.3050)$

Conversions

Conversions Part 1

Format	Color
Hex	569DAB
RGB	86, 157, 171
RGB Percent	34%, 62%, 67%
CMY	0.6628, 0.3843, 0.3294
CMYK	0.50, 0.08, 0.00, 0.33
HSL	190°, 34%, 50%
HSV	190°, 50%, 67%
XYZ	23.2451, 29.0326, 42.9111
YIQ	137.3670, -46.8100, -10.6980

Conversions

Conversions Part 2

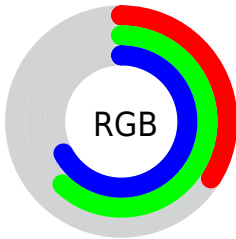
Format	Color
R_{YB}	86, 125, 171
Decimal	5676459
CIE _{Lab}	60.81, -18.40, -14.20
CIE _{LCh}	61, 23.242, 217.665
Yxy	29.0326, 0.2442, 0.3050
Android (android.graphics.Color)	4283866539 (0xFF569DAB)
YUV	137.3670, 16.5811, -45.0489
Hunter-Lab	53.8819, -17.2869, -9.5008

Details

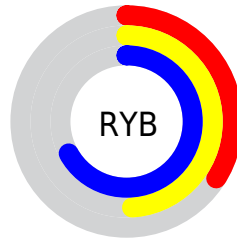
The Yxy color **29.0326, 0.2442, 0.3050** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **18.4444, 0.4377, 0.3505**, and the grayscale version is **25.1114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2407, 0.2578, 0.3112**, and **11.8467, 0.2221, 0.2961** is the 20% darker color. If you saturate the color by 10%, you get **27.3745, 0.2338, 0.2993**, and if you desaturate by 10%, it is **30.9091, 0.2561, 0.3105**.

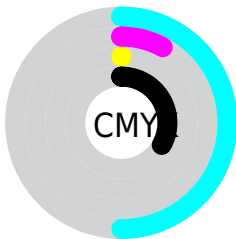
Distribution



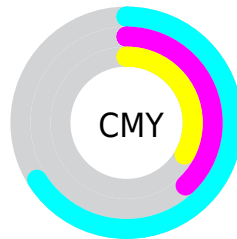
- Red (34%)
- Green (62%)
- Blue (67%)



- Red (34%)
- Yellow (49%)
- Blue (67%)



- Cyan (50%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (66%)
- Magenta (38%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.0326, 0.2442, 0.3050 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 29.0326, 0.2442, 0.3050 by changing the saturation by 10% instead.

■ 29.0326, 0.2442,
0.3050

■ 29.0326, 0.2442,
0.3050

■ 297.3687, 0.2803,
0.3187

■ 19.1055, 0.2346,
0.3009

■ 58.1289, 0.2577,
0.3104

■ 11.7465, 0.2220,
0.2953

■ 78.0668, 0.2627,
0.3123

■ 6.5713, 0.2048,
0.2870

■ 102.1105, 0.2668,
0.3139

■ 3.1955, 0.1798,
0.2738

■ 130.6443, 0.2703,
0.3152

■ 1.2346, 0.1397,
0.2506

■ 164.0527, 0.2733,
0.3163

■ 0.0897, 0.0000,
0.0757

■ 202.7199, 0.2760,

■ 0.0000, 0.0000,

0.3172

0.0000

247.0305, 0.2782,
0.3180

■ 29.0326, 0.2442,
0.3050

■ 29.0326, 0.2442,
0.3050

■ 27.3745, 0.2338,
0.2993

■ 30.9091, 0.2561,
0.3105

■ 25.9172, 0.2252,
0.2936

■ 33.0135, 0.2692,
0.3156

■ 24.6458, 0.2184,
0.2877

■ 35.3586, 0.2833,
0.3205

■ 23.5413, 0.2135,
0.2819

■ 37.9554, 0.2980,
0.3250

■ 22.5638, 0.2101,
0.2761

■ 40.8140, 0.3131,
0.3291

■ 22.5367, 0.2100,
0.2760

■ 43.9441, 0.3284,
0.3328

■ 47.3546, 0.3435,
0.3362

■ 51.0543, 0.3584,
0.3391

■ 55.0513, 0.3728,
0.3417

Harmonies

Analogous

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



29.0326, 0.2610, 0.3410



29.0326, 0.2442, 0.3050



29.0326, 0.2444, 0.2788

Triad

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



29.0326, 0.2442, 0.3050



29.0326, 0.3309, 0.2882



29.0326, 0.3641, 0.3940

Complementary

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



29.0326, 0.2442, 0.3050



18.4444, 0.4377, 0.3505

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.



29.0326, 0.3854, 0.3747



29.0326, 0.2442, 0.3050



29.0326, 0.3660, 0.3148

Square

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



29.0326, 0.2442, 0.3050



29.0326, 0.2924, 0.2712



29.0326, 0.3865, 0.3457



29.0326, 0.3296, 0.3955

Rectangle

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



29.0326, 0.2442, 0.3050



29.0326, 0.2540, 0.2695



29.0326, 0.3865, 0.3457



29.0326, 0.3731, 0.3892

Sweetspot

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



29.0337, 0.2442, 0.3050



65.3305, 0.2898, 0.3225



32.0034, 0.2971, 0.4607



14.3600, 0.2868, 0.3216



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



29.0337, 0.2442, 0.3050



48.6489, 0.2326, 0.2986



17.3512, 0.2299, 0.2291



8.8441, 0.2986, 0.3252



17.0526, 0.2102, 0.2765



0.5332, 0.2150, 0.2940

Inverse Universe

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



17.7475, 0.3364, 0.2278



26.7739, 0.3434, 0.2087



28.4552, 0.4045, 0.4105



8.1251, 0.3162, 0.3103



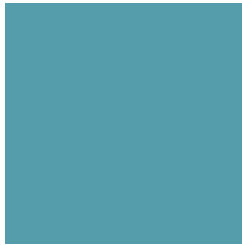
8.0245, 0.3667, 0.1794



0.2292, 0.3507, 0.1706

Previews

White Background



This preview shows how the Yxy color 29.0326, 0.2442, 0.3050 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 29.0326, 0.2442, 0.3050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

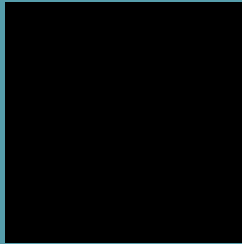
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.0326, 0.2442, 0.3050

Background



This preview shows how black text looks on a background with the Yxy color 29.0326, 0.2442, 0.3050.



This preview shows how white text looks on a background with the Yxy color 29.0326, 0.2442, 0.3050.

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

29.0326, 0.2442, 0.3050

Protanopia

28.7348, 0.2938, 0.3008

Deuteranopia

28.8119, 0.2869, 0.2819



Tritanopia

28.9947, 0.2448, 0.3067

Trichromacy



Original Color

29.0326, 0.2442, 0.3050

Protanomaly

28.3856, 0.2722, 0.3012

Deuteranomaly

28.4820, 0.2683, 0.2890

Tritanomaly

28.9947, 0.2448, 0.3067

Monochromacy



Original Color

29.0326, 0.2442, 0.3050

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

25.9680, 0.2821, 0.3203

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.0326, 0.2442, 0.3050 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(86, 157, 171)` looks like.

```
.text, #text, p{  
    color:rgb(86, 157, 171)  
}
```

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(86, 157, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 157, 171) }
```

Border

The CSS property to change the border of an element to Yxy 29.0326, 0.2442, 0.3050 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(86, 157, 171) }
```

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

```
.border{ border-color:rgb(86, 157, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 157, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 157, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 157, 171);  
box-shadow:4px 4px 4px 4px rgb(86, 157,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 29.0326, 0.2442, 0.3050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 157, 171) }
```

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

```
.background{ background-color: rgb(86, 157,  
171) }
```

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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