

Converting Colors

$Y_{xy}(29.9216, 0.2574, 0.3090)$

Have a look what the booklet for
Yxy(29.9216, 0.2574, 0.3090)
contains.

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Color

$\text{Yxy}(29.9216, 0.2574, 0.3090)$

Conversions

Conversions Part 1

Format	Color
Hex	689DA9
RGB	104, 157, 169
RGB Percent	41%, 62%, 66%
CMY	0.5922, 0.3843, 0.3373
CMYK	0.38, 0.07, 0.00, 0.34
HSL	191°, 27%, 54%
HSV	191°, 38%, 66%
XYZ	24.9250, 29.9216, 41.9871
YIQ	142.5210, -35.4400, -7.5040

Conversions

Conversions Part 2

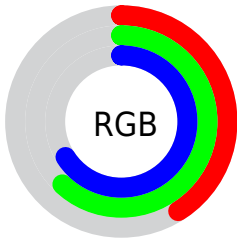
Format	Color
RYB	104, 133, 169
Decimal	6856105
CIELab	61.59, -14.39, -11.80
CIELCh	62, 18.609, 219.368
Yxy	29.9216, 0.2574, 0.3090
Android (android.graphics.Color)	4285046185 (0xFF689DA9)
YUV	142.5210, 13.0541, -33.7829
Hunter-Lab	54.7006, -14.3905, -7.2193

Details

The Yxy color **29.9216, 0.2574, 0.3090** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **21.9152, 0.3983, 0.3478**, and the grayscale version is **27.2249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.7379, 0.2687, 0.3141**, and **12.3225, 0.2398, 0.3021** is the 20% darker color. If you saturate the color by 10%, you get **27.9708, 0.2452, 0.3029**, and if you desaturate by 10%, it is **32.1042, 0.2708, 0.3148**.

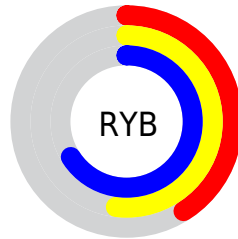
Distribution



Red (41%)

Green (62%)

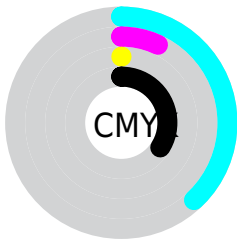
Blue (66%)



Red (41%)

Yellow (52%)

Blue (66%)

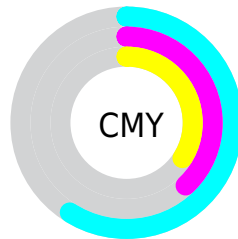


Cyan (38%)

Magenta (7%)

Yellow (0%)

Black (34%)



Cyan (59%)

Magenta (38%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9216, 0.2574, 0.3090 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 29.9216, 0.2574, 0.3090 by changing the saturation by 10% instead.

■ 29.9216, 0.2574,
0.3090

■ 29.9216, 0.2574,
0.3090

■ 301.5388, 0.2866,
0.3202

■ 19.7791, 0.2496,
0.3057

■ 59.5382, 0.2684,
0.3134

■ 12.2346, 0.2394,
0.3012

■ 79.7810, 0.2724,
0.3150

■ 6.9036, 0.2252,
0.2947

■ 104.1594, 0.2757,
0.3162

■ 3.4019, 0.2044,
0.2843

■ 133.0578, 0.2785,
0.3173

■ 1.3450, 0.1716,
0.2658

■ 166.8605, 0.2810,
0.3182

■ 0.1756, 0.0000,
0.1472

■ 205.9520, 0.2831,

■ 0.0000, 0.0000,

0.3190

0.0000

250.7167, 0.2849,
0.3197

■ 29.9216, 0.2574,
0.3090

■ 29.9216, 0.2574,
0.3090

■ 27.9708, 0.2452,
0.3029

■ 32.1042, 0.2708,
0.3148

■ 26.2359, 0.2343,
0.2966

■ 34.5265, 0.2851,
0.3202

■ 24.7044, 0.2252,
0.2901

■ 37.2001, 0.2999,
0.3251

■ 23.3610, 0.2179,
0.2835

■ 40.1349, 0.3151,
0.3297

■ 22.1875, 0.2125,
0.2769

■ 43.3402, 0.3302,
0.3338

■ 21.1518, 0.2087,
0.2704

■ 46.8249, 0.3452,
0.3374

■ 20.9970, 0.2082,
0.2694

■ 50.5973, 0.3599,
0.3407

■ 54.6654, 0.3741,
0.3435

■ 58.8323, 0.3868,
0.3461

Harmonies

Analogous

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



29.9216, 0.2704, 0.3371



29.9216, 0.2574, 0.3090



29.9216, 0.2583, 0.2884

Triad

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



29.9216, 0.2574, 0.3090



29.9216, 0.3290, 0.2973



29.9216, 0.3525, 0.3811

Complementary

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



29.9216, 0.2574, 0.3090



21.9152, 0.3983, 0.3478

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.



29.9216, 0.3699, 0.3671



29.9216, 0.2574, 0.3090



29.9216, 0.3562, 0.3193

Square

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



29.9216, 0.2574, 0.3090



29.9216, 0.2984, 0.2830



29.9216, 0.3714, 0.3444



29.9216, 0.3248, 0.3806

Rectangle

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



29.9216, 0.2574, 0.3090



29.9216, 0.2666, 0.2811



29.9216, 0.3714, 0.3444



29.9216, 0.3597, 0.3778

Sweetspot

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



29.9228, 0.2574, 0.3090



64.7877, 0.2943, 0.3233



32.5697, 0.2985, 0.4220



13.9920, 0.2925, 0.3227



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.9228, 0.2574, 0.3090



50.6519, 0.2471, 0.3039



20.3659, 0.2490, 0.2517



8.2935, 0.2987, 0.3247



15.7252, 0.2084, 0.2701



0.4418, 0.2143, 0.2915

Inverse Universe

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



20.7668, 0.3315, 0.2513



32.3668, 0.3368, 0.2352



30.7378, 0.3797, 0.3955



7.6426, 0.3164, 0.3108



7.6585, 0.3728, 0.1827



0.1923, 0.3529, 0.1718

Previews

White Background



This preview shows how the Yxy color 29.9216, 0.2574, 0.3090 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 29.9216, 0.2574, 0.3090 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

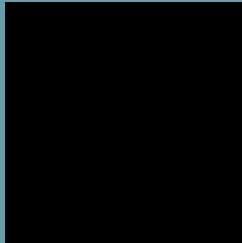
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9216, 0.2574, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 29.9216, 0.2574, 0.3090.



This preview shows how white text looks on a background with the Yxy color 29.9216, 0.2574, 0.3090.

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

29.9216, 0.2574, 0.3090

Protanopia

29.6228, 0.2968, 0.3042

Deuteranopia

29.8087, 0.2936, 0.2885



Tritanopia

29.9593, 0.2567, 0.3074

Trichromacy



Original Color

29.9216, 0.2574, 0.3090

Protanomaly

29.6751, 0.2812, 0.3066

Deuteranomaly

29.5035, 0.2788, 0.2945

Tritanomaly

29.9593, 0.2567, 0.3074

Monochromacy



Original Color

29.9216, 0.2574, 0.3090

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

28.1139, 0.2902, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9216, 0.2574, 0.3090 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(104, 157, 169)` looks like.

```
.text, #text, p{  
    color:rgb(104, 157, 169)  
}
```

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(104, 157, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 157, 169) }
```

Border

The CSS property to change the border of an element to Yxy 29.9216, 0.2574, 0.3090 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(104, 157, 169) }
```

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

```
.border{ border-color:rgb(104, 157, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 157, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 157, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 157, 169);  
box-shadow:4px 4px 4px 4px rgb(104, 157,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9216, 0.2574, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 157, 169) }
```

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

```
.background{ background-color: rgb(104,  
157, 169) }
```

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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