

Converting Colors

$Y_{xy}(24.8432, 0.2986, 0.4266)$

Have a look what the booklet for
Yxy(24.8432, 0.2986, 0.4266)
contains.

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Color

$Yxy(24.9065, 0.2990, 0.4274)$

Conversions

Conversions Part 1

Format	Color
Hex	5A9664
RGB	90, 150, 100
RGB Percent	35%, 59%, 39%
CMY	0.6470, 0.4118, 0.6079
CMYK	0.40, 0.00, 0.33, 0.41
HSL	130°, 25%, 47%
HSV	130°, 40%, 59%
XYZ	17.4241, 24.9065, 15.9439
YIQ	126.3600, -19.7100, -28.2700

Conversions

Conversions Part 2

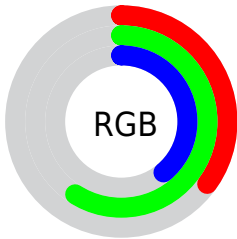
Format	Color
R _Y B	90, 141, 150
Decimal	5936740
CIE Lab	56.98, -30.55, 20.42
CIE LCh	57, 36.746, 146.244
Yxy	24.9065, 0.2990, 0.4274
Android (android.graphics.Color)	4284126820 (0xFF5A9664)
YUV	126.3600, -12.9955, -31.8877
Hunter-Lab	49.9064, -25.0157, 15.9928

Details

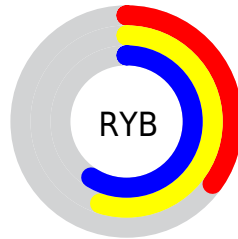
The Yxy color **24.9065, 0.2990, 0.4274** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **15.6937, 0.3307, 0.2475**, and the grayscale version is **21.0449, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7366, 0.3034, 0.4051**, and **9.6121, 0.2903, 0.4697** is the 20% darker color. If you saturate the color by 10%, you get **24.0057, 0.2962, 0.4573**, and if you desaturate by 10%, it is **25.9984, 0.3022, 0.3991**.

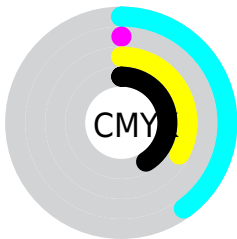
Distribution



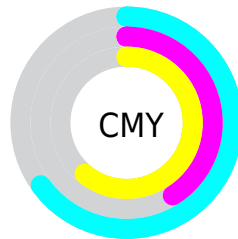
- Red (35%)
- Green (59%)
- Blue (39%)



- Red (35%)
- Yellow (55%)
- Blue (59%)



- Cyan (40%)
- Magenta (0%)
- Yellow (33%)
- Black (41%)



- Cyan (65%)
- Magenta (41%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9065, 0.2990, 0.4274 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 24.9065, 0.2990, 0.4274 by changing the saturation by 10% instead.


 24.9065, 0.2990,
0.4274


 24.9065, 0.2990,
0.4274


277.3720, 0.3081,
0.3704


 16.0074, 0.2956,
0.4450


 51.5055, 0.3030,
0.4044


 9.5294, 0.2904,
0.4700


 69.9742, 0.3043,
0.3965

 5.0881, 0.2813,
0.5082

 92.4015, 0.3053,
0.3901

 2.2990, 0.2660,
0.5782

 119.1720, 0.3060,
0.3848

 0.7732, 0.0000,
1.0000

150.6698, 0.3067,
0.3803

 0.0000, 0.0000,
0.0000

187.2795, 0.3072,

0.3765

229.3854, 0.3077,
0.3732

■ 24.9065, 0.2990,
0.4274

■ 24.9065, 0.2990,
0.4274

■ 24.0057, 0.2962,
0.4573

■ 25.9984, 0.3022,
0.3991

■ 23.2820, 0.2942,
0.4878

■ 27.2882, 0.3057,
0.3731

■ 22.7243, 0.2930,
0.5173


■ 28.7862, 0.3092,
0.3497


■ 22.3193, 0.2929,
0.5440

■ 30.5013, 0.3127,
0.3290

■ 22.0512, 0.2939,
0.5663


■ 32.4415, 0.3161,
0.3108

 21.8831, 0.2953,
0.5832

 34.6147, 0.3193,
0.2949

 21.8829, 0.2953,
0.5832

 37.0283, 0.3223,
0.2812

 39.6893, 0.3251,
0.2692

 42.6045, 0.3277,
0.2589

Harmonies

Analogous

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



24.9065, 0.3605, 0.4447



24.9065, 0.2990, 0.4274



24.9065, 0.2443, 0.3727

Triad

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



24.9065, 0.2990, 0.4274



24.9065, 0.2173, 0.2340



24.9065, 0.4271, 0.3332

Complementary

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



24.9065, 0.2990, 0.4274



15.6937, 0.3307, 0.2475

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.



24.9065, 0.3807, 0.2877



24.9065, 0.2990, 0.4274



24.9065, 0.2575, 0.2329

Square

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



24.9065, 0.2990, 0.4274



24.9065, 0.2010, 0.2586



24.9065, 0.3166, 0.2522



24.9065, 0.4380, 0.3816

Rectangle

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



24.9065, 0.2990, 0.4274



24.9065, 0.2186, 0.3286



24.9065, 0.3166, 0.2522



24.9065, 0.4150, 0.3174

Sweetspot

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



24.9075, 0.2990, 0.4274



50.1735, 0.3084, 0.3547



28.2145, 0.3606, 0.4286



11.0504, 0.3080, 0.3573



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



24.9075, 0.2990, 0.4274



42.5151, 0.2965, 0.4542



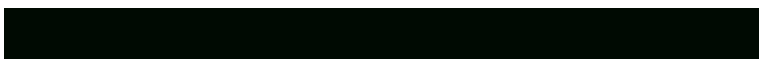
25.5727, 0.2752, 0.3687



6.4832, 0.3095, 0.3480



18.1525, 0.2951, 0.5823



0.2251, 0.2784, 0.5224

Inverse Universe

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



15.6937, 0.3307, 0.2475



23.9344, 0.3359, 0.2303



14.9475, 0.3748, 0.2932



5.8928, 0.3161, 0.3107



6.6109, 0.3668, 0.1794



0.0845, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 24.9065, 0.2990, 0.4274 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 24.9065, 0.2990, 0.4274 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

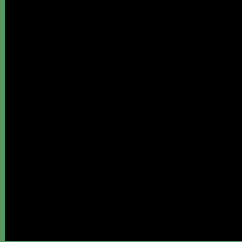
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9065, 0.2990, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 24.9065, 0.2990, 0.4274.



This preview shows how white text looks on a background with the Yxy color 24.9065, 0.2990, 0.4274.

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

24.9065, 0.2990, 0.4274

Protanopia

24.6195, 0.3710, 0.3996

Deuteranopia

24.7057, 0.3784, 0.3723



Tritanopia

24.7782, 0.2620, 0.3076

Trichromacy



Original Color

24.9065, 0.2990, 0.4274

Protanomaly

24.3299, 0.3415, 0.4105

Deuteranomaly

24.3071, 0.3460, 0.3906

Tritanomaly

24.8484, 0.2754, 0.3494

Monochromacy



Original Color

24.9065, 0.2990, 0.4274

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

22.1230, 0.3067, 0.3631

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9065, 0.2990, 0.4274 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, 150, 100)` looks like.

```
.text, #text, p{  
    color:rgb(90, 150, 100)  
}
```

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, 150, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 150, 100) }
```

Border

The CSS property to change the border of an element to Yxy 24.9065, 0.2990, 0.4274 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, 150, 100) }
```

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

```
.border{ border-color:rgb(90, 150, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 150, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 150, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 150, 100);  
box-shadow:4px 4px 4px 4px rgb(90, 150,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9065, 0.2990, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 150, 100) }
```

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

```
.background{ background-color: rgb(90, 150,  
100) }
```

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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