

Converting Colors

$Yxy(28.5767, 0.3076, 0.4385)$

Have a look what the booklet for
Yxy(28.5767, 0.3076, 0.4385)
contains.

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Color

Yxy(28.4257, 0.3076, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	649F64
RGB	100, 159, 100
RGB Percent	39%, 62%, 39%
CMY	0.6078, 0.3765, 0.6079
CMYK	0.37, 0.00, 0.37, 0.38
HSL	120°, 24%, 51%
HSV	120°, 37%, 62%
XYZ	19.9538, 28.4257, 16.4898
YIQ	134.6330, -16.2250, -30.8570

Conversions

Conversions Part 2

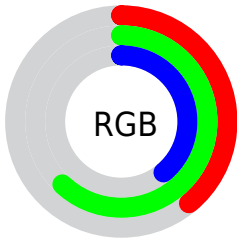
Format	Color
RYB	100, 159, 159
Decimal	6594404
CIELab	60.27, -31.59, 24.90
CIElCh	60, 40.222, 141.758
Yxy	28.4257, 0.3076, 0.4382
Android (android.graphics.Color)	4284784484 (0xFF649F64)
YUV	134.6330, -17.0741, -30.3731
Hunter-Lab	53.3158, -26.4978, 18.9835

Details

The Yxy color **28.4257, 0.3076, 0.4382** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **18.9870, 0.3169, 0.2396**, and the grayscale version is **24.1549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0998, 0.3101, 0.4140**, and **11.4163, 0.3023, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **27.3286, 0.3060, 0.4732**, and if you desaturate by 10%, it is **29.7621, 0.3092, 0.4047**.

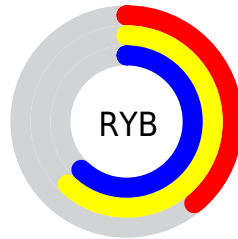
Distribution



Red (39%)

Green (62%)

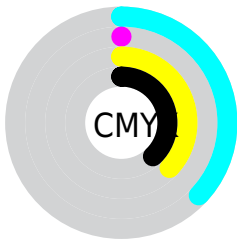
Blue (39%)



Red (39%)

Yellow (62%)

Blue (62%)

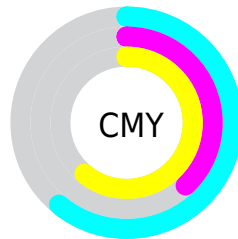


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (38%)



Cyan (61%)


Magenta (38%)

Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4257, 0.3076, 0.4382 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 28.4257, 0.3076, 0.4382 by changing the saturation by 10% instead.


 28.4257, 0.3076,
0.4382


 28.4257, 0.3076,
0.4382


294.4955, 0.3122,
0.3760

 18.6468, 0.3054,
0.4567


 57.1634, 0.3099,
0.4135

 11.4153, 0.3017,
0.4825


 76.8909, 0.3106,
0.4049

 6.3469, 0.2949,
0.5205


 100.7035, 0.3111,
0.3979

 3.0572, 0.2819,
0.5838

 128.9855, 0.3114,
0.3920

 1.1617, 0.2104,
0.7896

162.1213, 0.3117,
0.3871

 0.0300, 0.0000,
1.0000

200.4953, 0.3119,

 0.0000, 0.0000,

0.3829

0.0000

244.4919, 0.3121,
0.3792

■ 28.4257, 0.3076,
0.4382

■ 28.4257, 0.3076,
0.4382

■ 27.3286, 0.3060,
0.4732

■ 29.7621, 0.3092,
0.4047

■ 26.4535, 0.3043,
0.5080

■ 31.3471, 0.3106,
0.3740

■ 25.7863, 0.3028,
0.5401


■ 33.1936, 0.3119,
0.3465


■ 25.3097, 0.3016,
0.5668


■ 35.3127, 0.3130,
0.3224

■ 25.0039, 0.3007,
0.5860

■ 37.7148, 0.3140,
0.3014

 24.8373, 0.3001,
0.5972

 40.4098, 0.3149,
0.2834

 24.7976, 0.3000,
0.6000

 43.4072, 0.3156,
0.2679

 46.7158, 0.3162,
0.2546

 50.3444, 0.3167,
0.2431

Harmonies

Analogous

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



28.4257, 0.3714, 0.4491



28.4257, 0.3076, 0.4382



28.4257, 0.2485, 0.3850

Triad

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



28.4257, 0.3076, 0.4382



28.4257, 0.2092, 0.2321



28.4257, 0.4274, 0.3256

Complementary

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



28.4257, 0.3076, 0.4382



18.9870, 0.3169, 0.2396

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.



28.4257, 0.3743, 0.2795



28.4257, 0.3076, 0.4382



28.4257, 0.2473, 0.2277

Square

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



28.4257, 0.3076, 0.4382



28.4257, 0.1961, 0.2613



28.4257, 0.3065, 0.2449



28.4257, 0.4447, 0.3758

Rectangle

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



28.4257, 0.3076, 0.4382



28.4257, 0.2195, 0.3386



28.4257, 0.3065, 0.2449



28.4257, 0.4129, 0.3094

Sweetspot

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



28.4269, 0.3076, 0.4382



58.0311, 0.3114, 0.3574



32.7518, 0.3675, 0.4175



12.9885, 0.3112, 0.3608



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.4269, 0.3076, 0.4382



49.1654, 0.3062, 0.4688



29.0786, 0.2850, 0.3839



7.4011, 0.3116, 0.3521



19.5850, 0.3000, 0.6000



0.3502, 0.3000, 0.6000

Inverse Universe

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



18.9870, 0.3169, 0.2396



29.6270, 0.3178, 0.2201



18.1092, 0.3547, 0.2803



6.7545, 0.3137, 0.3070



7.7972, 0.3209, 0.1541



0.1394, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 28.4257, 0.3076, 0.4382 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 28.4257, 0.3076, 0.4382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

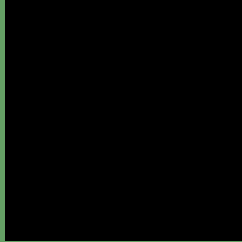
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.4257, 0.3076, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 28.4257, 0.3076, 0.4382.



This preview shows how white text looks on a background with the Yxy color 28.4257, 0.3076, 0.4382.

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

28.4257, 0.3076, 0.4382

Protanopia

28.2270, 0.3779, 0.4094

Deuteranopia

28.1431, 0.3861, 0.3803



Tritanopia

28.2223, 0.2665, 0.3088

Trichromacy



Original Color

28.4257, 0.3076, 0.4382

Protanomaly

27.8915, 0.3495, 0.4207

Deuteranomaly

27.5568, 0.3546, 0.4004

Tritanomaly

28.1928, 0.2819, 0.3536

Monochromacy



Original Color

28.4257, 0.3076, 0.4382

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

25.4892, 0.3109, 0.3683

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4257, 0.3076, 0.4382 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(100, 159, 100)` looks like.

```
.text, #text, p{  
    color:rgb(100, 159, 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(100, 159, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 159, 100) }
```

Border

The CSS property to change the border of an element to Yxy 28.4257, 0.3076, 0.4382 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(100, 159, 100) }
```

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

```
.border{ border-color:rgb(100, 159, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 159, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 159, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 159, 100);  
box-shadow:4px 4px 4px 4px rgb(100, 159,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4257, 0.3076, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 159, 100) }
```

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

```
.background{ background-color: rgb(100,  
159, 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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