

Converting Colors

$Yxy(30.1307, 0.3074, 0.4398)$

Have a look what the booklet for
Yxy(30.1307, 0.3074, 0.4398)
contains.

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Color

Yxy(29.9785, 0.3075, 0.4395)

Conversions

Conversions Part 1

Format	Color
Hex	66A366
RGB	102, 163, 102
RGB Percent	40%, 64%, 40%
CMY	0.6001, 0.3608, 0.5999
CMYK	0.37, 0.00, 0.37, 0.36
HSL	120°, 25%, 52%
HSV	120°, 37%, 64%
XYZ	20.9747, 29.9785, 17.2572
YIQ	137.8070, -16.7750, -31.9030

Conversions

Conversions Part 2

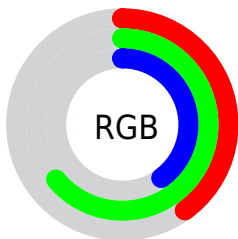
Format	Color
RYB	102, 163, 163
Decimal	6726502
CIELab	61.64, -32.49, 25.62
CIELCh	62, 41.373, 141.740
Yxy	29.9785, 0.3075, 0.4395
Android (android.graphics.Color)	4284916582 (0xFF66A366)
YUV	137.8070, -17.6529, -31.4027
Hunter-Lab	54.7526, -27.4370, 19.6395

Details

The Yxy color **29.9785, 0.3075, 0.4395** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **19.9303, 0.3170, 0.2387**, and the grayscale version is **25.4118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4445, 0.3094, 0.4140**, and **12.3133, 0.3013, 0.4840** is the 20% darker color. If you saturate the color by 10%, you get **28.8271, 0.3058, 0.4746**, and if you desaturate by 10%, it is **31.3832, 0.3091, 0.4059**.

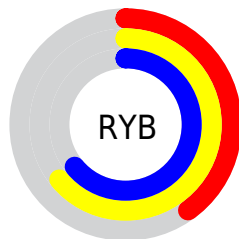
Distribution



Red (40%)

Green (64%)

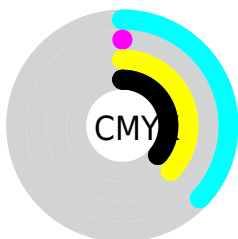
Blue (40%)



Red (40%)

Yellow (64%)

Blue (64%)

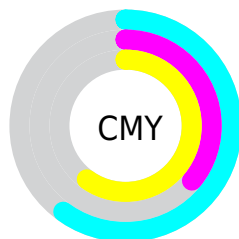


Cyan (37%)

Magenta (0%)

Yellow (37%)

Black (36%)



Cyan (60%)


Magenta (36%)

Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9785, 0.3075, 0.4395 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 29.9785, 0.3075, 0.4395 by changing the saturation by 10% instead.


 29.9785, 0.3075,
0.4395


 29.9785, 0.3075,
0.4395


301.8042, 0.3122,
0.3771


 19.8223, 0.3053,
0.4578


 59.6282, 0.3099,
0.4149


 12.2659, 0.3017,
0.4832


 79.8904, 0.3105,
0.4062

 6.9250, 0.2950,
0.5204


 104.2901, 0.3110,
0.3991

 3.4153, 0.2818,
0.5796

 133.2116, 0.3114,
0.3932

 1.3522, 0.2418,
0.7582

167.0394, 0.3117,
0.3883

 0.1811, 0.0000,
1.0000

206.1579, 0.3119,

 0.0000, 0.0000,

0.3840

0.0000

250.9513, 0.3120,
0.3803

■ 29.9785, 0.3075,
0.4395

■ 29.9785, 0.3075,
0.4395

■ 28.8271, 0.3058,
0.4746

■ 31.3832, 0.3091,
0.4059

■ 27.9105, 0.3042,
0.5094

■ 33.0509, 0.3105,
0.3750

■ 27.2136, 0.3027,
0.5414


■ 34.9956, 0.3118,
0.3474

■ 26.7180, 0.3015,
0.5678


■ 37.2289, 0.3130,
0.3231

■ 26.4024, 0.3006,
0.5867


■ 39.7621, 0.3140,
0.3020


 26.2323, 0.3001,
0.5976

 42.6056, 0.3149,
0.2839

 26.1962, 0.3000,
0.6000

 45.7694, 0.3156,
0.2683

 49.2632, 0.3162,
0.2549

 53.0959, 0.3168,
0.2434

Harmonies

Analogous

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



29.9785, 0.3719, 0.4504



29.9785, 0.3075, 0.4395



29.9785, 0.2478, 0.3857

Triad

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



29.9785, 0.3075, 0.4395



29.9785, 0.2082, 0.2312



29.9785, 0.4286, 0.3254

Complementary

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



29.9785, 0.3075, 0.4395



19.9303, 0.3170, 0.2387

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.



29.9785, 0.3749, 0.2790



29.9785, 0.3075, 0.4395



29.9785, 0.2466, 0.2268

Square

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



29.9785, 0.3075, 0.4395



29.9785, 0.1950, 0.2606



29.9785, 0.3064, 0.2441



29.9785, 0.4460, 0.3761

Rectangle

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



29.9785, 0.3075, 0.4395



29.9785, 0.2186, 0.3387



29.9785, 0.3064, 0.2441



29.9785, 0.4139, 0.3091

Sweetspot

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



29.9798, 0.3075, 0.4395



61.2978, 0.3114, 0.3574



34.9420, 0.3676, 0.4198



13.6663, 0.3112, 0.3609



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.9798, 0.3075, 0.4395



51.9250, 0.3061, 0.4690



30.6995, 0.2839, 0.3828



7.8951, 0.3116, 0.3522



20.3581, 0.3000, 0.5999



0.4278, 0.2999, 0.5997

Inverse Universe

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



19.9303, 0.3170, 0.2387



31.2629, 0.3179, 0.2200



18.9667, 0.3568, 0.2813



7.2021, 0.3138, 0.3069



8.1040, 0.3211, 0.1542



0.1703, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 29.9785, 0.3075, 0.4395 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 29.9785, 0.3075, 0.4395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

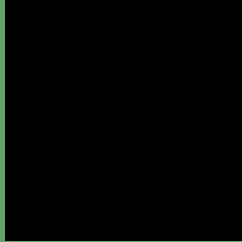
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9785, 0.3075, 0.4395

Background



This preview shows how black text looks on a background with the Yxy color 29.9785, 0.3075, 0.4395.



This preview shows how white text looks on a background with the Yxy color 29.9785, 0.3075, 0.4395.

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

29.9785, 0.3075, 0.4395

Protanopia

29.6014, 0.3788, 0.4092

Deuteranopia

29.6376, 0.3880, 0.3804



Tritanopia

29.9147, 0.2660, 0.3077

Trichromacy



Original Color

29.9785, 0.3075, 0.4395

Protanomaly

29.2398, 0.3509, 0.4203

Deuteranomaly

29.2222, 0.3555, 0.4019

Tritanomaly

29.7823, 0.2808, 0.3530

Monochromacy



Original Color

29.9785, 0.3075, 0.4395

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.7081, 0.3109, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9785, 0.3075, 0.4395 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(102, 163, 102)` looks like.

```
.text, #text, p{  
    color:rgb(102, 163, 102)  
}
```

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(102, 163, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 163, 102) }
```

Border

The CSS property to change the border of an element to Yxy 29.9785, 0.3075, 0.4395 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(102, 163, 102) }
```

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

```
.border{ border-color:rgb(102, 163, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 163, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 163, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 163, 102);  
box-shadow:4px 4px 4px 4px rgb(102, 163,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9785, 0.3075, 0.4395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 163, 102) }
```

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

```
.background{ background-color: rgb(102,  
163, 102) }
```

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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