

Converting Colors

$Y_{xy}(30.1377, 0.3073, 0.5781)$

Have a look what the booklet for
Yxy(30.1377, 0.3073, 0.5781)
contains.

Yxy(30.1375, 0.3075, 0.5784)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.1375, 0.3075, 0.5784)

Conversions

Conversions Part 1

Format	Color
Hex	2DAC1A
RGB	45, 172, 26
RGB Percent	18%, 67%, 10%
CMY	0.8233, 0.3255, 0.8983
CMYK	0.74, 0.00, 0.85, 0.33
HSL	112°, 74%, 39%
HSV	112°, 85%, 67%
XYZ	16.0223, 30.1375, 5.9452
YIQ	117.3830, -28.8260, -72.3300

Conversions

Conversions Part 2

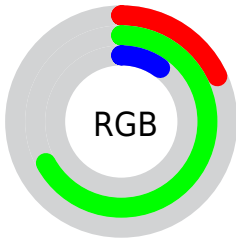
Format	Color
RYB	26, 172, 153
Decimal	2993178
CIELab	61.77, -59.02, 58.22
CIELCh	62, 82.902, 135.394
Yxy	30.1375, 0.3075, 0.5784
Android (android.graphics.Color)	4281183258 (0xFF2DAC1A)
YUV	117.3830, -45.0518, -63.4799
Hunter-Lab	54.8976, -43.9743, 32.0075

Details

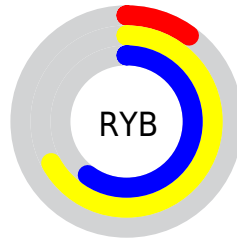
The Yxy color **30.1375, 0.3075, 0.5784** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **10.4739, 0.2933, 0.1468**, and the grayscale version is **18.0668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.1392, 0.3167, 0.5240**, and **12.9569, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **29.8021, 0.3047, 0.5921**, and if you desaturate by 10%, it is **30.6415, 0.3100, 0.5570**.

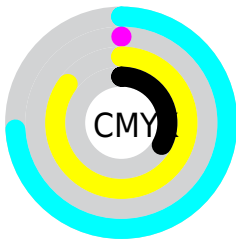
Distribution



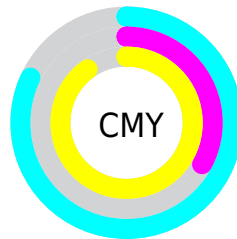
- Red (18%)
- Green (67%)
- Blue (10%)



- Red (10%)
- Yellow (67%)
- Blue (60%)



- Cyan (74%)
- Magenta (0%)
- Yellow (85%)
- Black (33%)





- Cyan (82%)
- Magenta (33%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.1375, 0.3075, 0.5784 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 30.1375, 0.3075, 0.5784 by changing the saturation by 10% instead.


 30.1375, 0.3075,
0.5784


 30.1375, 0.3075,
0.5784


302.5448, 0.3213,
0.4365

 19.9430, 0.2980,
0.6171


 59.8796, 0.3165,
0.5236


 12.3536, 0.2814,
0.6665


 80.1959, 0.3185,
0.5038

 6.9850, 0.2565,
0.7435


 104.6549, 0.3198,
0.4875

 3.4527, 0.1976,
0.8024

 133.6411, 0.3206,
0.4739

 1.3724, 0.0000,
1.0000

 167.5388, 0.3210,
0.4624

 0.1962, 0.0000,
1.0000

 206.7324, 0.3213,

 0.0000, 0.0000,

0.4525

0.0000

251.6063, 0.3213,
0.4439

■ 30.1375, 0.3075,
0.5784

■ 30.1375, 0.3075,
0.5784

■ 29.8021, 0.3047,
0.5921

■ 30.6415, 0.3100,
0.5570

■ 29.6819, 0.3037,
0.5971

■ 31.3290, 0.3121,
0.5292

■ 32.2172, 0.3135,
0.4972

■ 33.3206, 0.3144,
0.4632

■ 34.6519, 0.3146,
0.4294

■ 36.2232, 0.3144,
0.3972

■ 38.0455, 0.3139,
0.3676

■ 40.1291, 0.3131,
0.3410

■ 42.4838, 0.3122,
0.3174

Harmonies

Analogous

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



30.1375, 0.4197, 0.5414



30.1375, 0.3075, 0.5784



30.1375, 0.2018, 0.4823

Triad

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



30.1375, 0.3075, 0.5784



30.1375, 0.1258, 0.1605



30.1375, 0.5246, 0.2906

Complementary

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



30.1375, 0.3075, 0.5784



10.4739, 0.2933, 0.1468

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.



30.1375, 0.4029, 0.2227



30.1375, 0.3075, 0.5784



30.1375, 0.1749, 0.1520

Square

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



30.1375, 0.3075, 0.5784



30.1375, 0.1120, 0.2088



30.1375, 0.2685, 0.1737



30.1375, 0.5633, 0.3666

Rectangle

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



30.1375, 0.3075, 0.5784



30.1375, 0.1509, 0.3708



30.1375, 0.2685, 0.1737



30.1375, 0.4906, 0.2667

Sweetspot

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



30.1388, 0.3075, 0.5784



65.5539, 0.3145, 0.3988



31.4720, 0.4351, 0.4803



14.0270, 0.3146, 0.4095



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.



30.1388, 0.3075, 0.5784



53.7935, 0.3031, 0.5976



30.2956, 0.2797, 0.5103



8.9878, 0.3135, 0.3523



22.1022, 0.3041, 0.5968



0.6302, 0.3186, 0.5853

Inverse Universe

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



10.4739, 0.2933, 0.1468



17.0073, 0.2876, 0.1358



10.8248, 0.4154, 0.2175



8.0941, 0.3117, 0.3065



7.0217, 0.2886, 0.1363



0.2098, 0.2990, 0.1421

Previews

White Background



This preview shows how the Yxy color 30.1375, 0.3075, 0.5784 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.1375, 0.3075, 0.5784 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 30.1375, 0.3075, 0.5784

Background



This preview shows how black text looks on a background with the Yxy color 30.1375, 0.3075, 0.5784.



This preview shows how white text looks on a background with the Yxy color 30.1375, 0.3075, 0.5784.

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

30.1375, 0.3075, 0.5784

Protanopia

29.4423, 0.4369, 0.4828

Deuteranopia

29.6707, 0.4551, 0.4467



Tritanopia

29.9977, 0.2422, 0.3069

Trichromacy



Original Color

30.1375, 0.3075, 0.5784



Protanomaly

28.3828, 0.3778, 0.5264



Deuteranomaly

27.7409, 0.3900, 0.5020



Tritanomaly

29.1722, 0.2705, 0.4127

Monochromacy



Original Color

30.1375, 0.3075, 0.5784



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.7556, 0.3147, 0.4395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.1375, 0.3075, 0.5784 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(45, 172, 26)` looks like.

```
.text, #text, p{  
    color:rgb(45, 172, 26)  
}
```

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(45, 172, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 172, 26) }
```

Border

The CSS property to change the border of an element to Yxy 30.1375, 0.3075, 0.5784 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(45, 172, 26) }
```

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

```
.border{ border-color:rgb(45, 172, 26) }
```

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

Here you see how a box with a 4 pixel rgb(45, 172, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 172, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 172, 26);  
box-shadow:4px 4px 4px 4px rgb(45, 172,  
26) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.1375, 0.3075, 0.5784$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 172, 26) }
```

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

```
.background{ background-color: rgb(45, 172,  
26) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor