

Converting Colors

$Y_{xy}(32.4691, 0.3019, 0.5853)$

Have a look what the booklet for
Yxy(32.4691, 0.3019, 0.5853)
contains.

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Color

Yxy(32.5674, 0.3019, 0.5855)

Conversions

Conversions Part 1

Format	Color
Hex	1DB318
RGB	29, 179, 24
RGB Percent	11%, 70%, 9%
CMY	0.8860, 0.2980, 0.9060
CMYK	0.84, 0.00, 0.87, 0.30
HSL	118°, 76%, 40%
HSV	118°, 87%, 70%
XYZ	16.7927, 32.5674, 6.2632
YIQ	116.4800, -39.6450, -80.0050

Conversions

Conversions Part 2

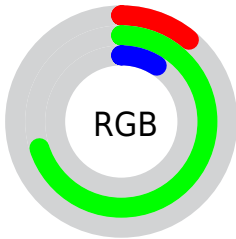
Format	Color
RYB	24, 179, 174
Decimal	1946392
CIELab	63.81, -63.44, 60.40
CIELCh	64, 87.594, 136.408
Yxy	32.5674, 0.3019, 0.5855
Android (android.graphics.Color)	4280136472 (0xFF1DB318)
YUV	116.4800, -45.5926, -76.7200
Hunter-Lab	57.0679, -47.3438, 33.4404

Details

The Yxy color **32.5674, 0.3019, 0.5855** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **12.8954, 0.3137, 0.1562**, and the grayscale version is **17.7778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6500, 0.3121, 0.5303**, and **14.6672, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.3305, 0.3008, 0.5966**, and if you desaturate by 10%, it is **32.9966, 0.3033, 0.5661**.

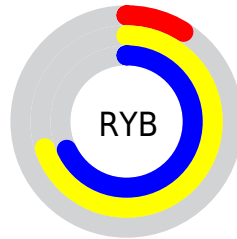
Distribution



Red (11%)

Green (70%)

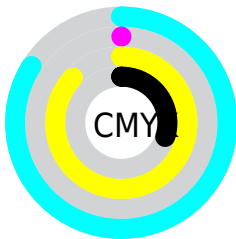
Blue (9%)



Red (9%)

Yellow (70%)

Blue (68%)

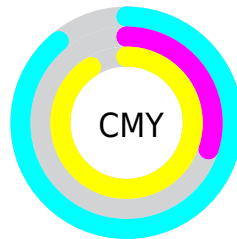


Cyan (84%)

Magenta (0%)

Yellow (87%)

Black (30%)



Cyan (89%)


Magenta (30%)

Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5674, 0.3019, 0.5855 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 32.5674, 0.3019, 0.5855 by changing the saturation by 10% instead.


 32.5674, 0.3019,
0.5855


 32.5674, 0.3019,
0.5855


313.6959, 0.3192,
0.4408


 21.7953, 0.2916,
0.6243


 63.6995, 0.3122,
0.5300


 13.7065, 0.2743,
0.6735


 84.8283, 0.3147,
0.5099


 7.9168, 0.2494,
0.7506


 110.1781, 0.3164,
0.4933

 4.0418, 0.1922,
0.8078

 140.1333, 0.3175,
0.4793

 1.6970, 0.0000,
1.0000

 175.0783, 0.3183,
0.4675

 0.4217, 0.0000,
1.0000

 215.3974, 0.3187,

 0.0000, 0.0000,

0.4573

0.0000

261.4752, 0.3190,
0.4485

■ 32.5674, 0.3019,
0.5855

■ 32.5674, 0.3019,
0.5855

■ 32.3305, 0.3008,
0.5966

■ 32.9966, 0.3033,
0.5661

■ 32.2787, 0.3007,
0.5994

■ 33.6442, 0.3049,
0.5391

■ 34.5355, 0.3065,
0.5069

■ 35.6915, 0.3080,
0.4721

■ 37.1310, 0.3093,
0.4371

■ 38.8710, 0.3105,
0.4036

■ 40.9271, 0.3115,
0.3729

■ 43.3140, 0.3123,
0.3454

■ 46.0453, 0.3129,
0.3212

Harmonies

Analogous

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



32.5674, 0.4165, 0.5482



32.5674, 0.3019, 0.5855



32.5674, 0.1952, 0.4820

Triad

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



32.5674, 0.3019, 0.5855



32.5674, 0.1233, 0.1560



32.5674, 0.5335, 0.2914

Complementary

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



32.5674, 0.3019, 0.5855



12.8954, 0.3137, 0.1562

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.



32.5674, 0.4101, 0.2222



32.5674, 0.3019, 0.5855



32.5674, 0.1742, 0.1488

Square

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



32.5674, 0.3019, 0.5855



32.5674, 0.1081, 0.2029



32.5674, 0.2712, 0.1717



32.5674, 0.5688, 0.3684

Rectangle

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



32.5674, 0.3019, 0.5855



32.5674, 0.1449, 0.3658



32.5674, 0.2712, 0.1717



32.5674, 0.4996, 0.2672

Sweetspot

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



32.5688, 0.3019, 0.5855



69.6731, 0.3105, 0.4031



39.8577, 0.4207, 0.4952



15.1854, 0.3102, 0.4142



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.5688, 0.3019, 0.5855



57.7905, 0.3005, 0.5996



33.2851, 0.2719, 0.4860



9.5029, 0.3121, 0.3525



22.8149, 0.3009, 0.5993



0.7222, 0.3046, 0.5963

Inverse Universe

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



12.8954, 0.3137, 0.1562



21.7455, 0.3126, 0.1496



11.2903, 0.4518, 0.2367



8.6322, 0.3133, 0.3065



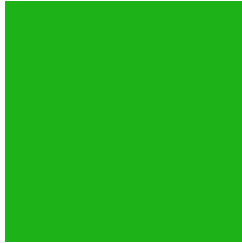
8.5937, 0.3129, 0.1497



0.2748, 0.3152, 0.1510

Previews

White Background



This preview shows how the Yxy color 32.5674, 0.3019, 0.5855 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 32.5674, 0.3019, 0.5855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

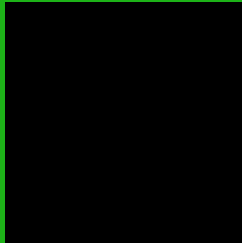
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5674, 0.3019, 0.5855

Background



This preview shows how black text looks on a background with the Yxy color 32.5674, 0.3019, 0.5855.



This preview shows how white text looks on a background with the Yxy color 32.5674, 0.3019, 0.5855.

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

32.5674, 0.3019, 0.5855

Protanopia

32.0328, 0.4372, 0.4849

Deuteranopia

31.9537, 0.4552, 0.4476



Tritanopia

32.5950, 0.2385, 0.3075

Trichromacy



Original Color

32.5674, 0.3019, 0.5855



Protanomaly

30.3064, 0.3717, 0.5339



Deuteranomaly

29.5738, 0.3827, 0.5091



Tritanomaly

31.5480, 0.2661, 0.4185

Monochromacy



Original Color

32.5674, 0.3019, 0.5855



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.9746, 0.3081, 0.4473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5674, 0.3019, 0.5855 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(29, 179, 24)` looks like.

```
.text, #text, p{  
    color:rgb(29, 179, 24)  
}
```

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(29, 179, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 179, 24) }
```

Border

The CSS property to change the border of an element to Yxy 32.5674, 0.3019, 0.5855 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(29, 179, 24) }
```

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

```
.border{ border-color:rgb(29, 179, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 179, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 179, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 179, 24);  
box-shadow:4px 4px 4px 4px rgb(29, 179,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5674, 0.3019, 0.5855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 179, 24) }
```

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

```
.background{ background-color: rgb(29, 179,  
24) }
```

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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