

Converting Colors

$Y_{xy}(32.5571, 0.2870, 0.5437)$

Have a look what the booklet for
Yxy(32.5571, 0.2870, 0.5437)
contains.

Yxy(32.7277, 0.2873, 0.5445)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7277, 0.2873, 0.5445)

Conversions

Conversions Part 1

Format	Color
Hex	12B33F
RGB	18, 179, 63
RGB Percent	7%, 70%, 25%
CMY	0.9289, 0.2980, 0.7529
CMYK	0.90, 0.00, 0.65, 0.30
HSL	137°, 82%, 39%
HSV	137°, 90%, 70%
XYZ	17.2684, 32.7277, 10.1098
YIQ	117.6370, -58.7200, -70.2080

Conversions

Conversions Part 2

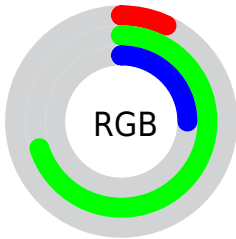
Format	Color
RYB	18, 144, 179
Decimal	1225535
CIELab	63.94, -61.38, 47.26
CIElCh	64, 77.468, 142.404
Yxy	32.7277, 0.2873, 0.5445
Android (android.graphics.Color)	4279415615 (0xFF12B33F)
YUV	117.6370, -26.9360, -87.3816
Hunter-Lab	57.2081, -46.2335, 29.5680

Details

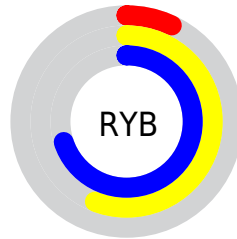
The Yxy color **32.7277, 0.2873, 0.5445** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **11.7447, 0.3951, 0.2007**, and the grayscale version is **18.1088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9380, 0.2977, 0.4963**, and **14.6716, 0.2996, 0.5984** is the 20% darker color. If you saturate the color by 10%, you get **32.4729, 0.2900, 0.5639**, and if you desaturate by 10%, it is **33.1363, 0.2856, 0.5214**.

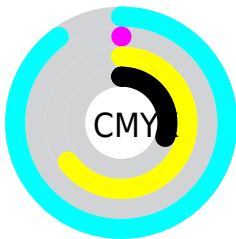
Distribution



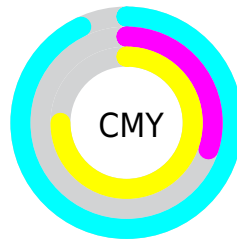
- Red (7%)
- Green (70%)
- Blue (25%)



- Red (7%)
- Yellow (56%)
- Blue (70%)



- Cyan (90%)
- Magenta (0%)
- Yellow (65%)
- Black (30%)




- Cyan (93%)
- Magenta (30%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7277, 0.2873, 0.5445 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 32.7277, 0.2873, 0.5445 by changing the saturation by 10% instead.


 32.7277, 0.2873,
0.5445


 32.7277, 0.2873,
0.5445


314.4209, 0.3080,
0.4213

 21.9179, 0.2783,
0.5798


 63.9502, 0.2974,
0.4962

 13.7966, 0.2641,
0.6269


 85.1317, 0.3003,
0.4790


 7.9793, 0.2401,
0.6917


 110.5392, 0.3025,
0.4650

 4.0817, 0.2021,
0.7979

 140.5571, 0.3042,
0.4533

 1.7194, 0.0000,
1.0000

 175.5699, 0.3055,
0.4435

 0.4362, 0.0000,
1.0000

215.9618, 0.3065,

 0.0000, 0.0000,

0.4350

0.0000

262.1174, 0.3073,
0.4277

■ 32.7277, 0.2873,
0.5445

■ 32.7277, 0.2873,
0.5445

■ 32.4729, 0.2900,
0.5639

■ 33.1363, 0.2856,
0.5214

■ 32.4701, 0.2900,
0.5641

■ 33.7406, 0.2855,
0.4957

■ 34.5650, 0.2868,
0.4685

■ 35.6293, 0.2895,
0.4411

■ 36.9510, 0.2932,
0.4147

■ 38.5461, 0.2977,
0.3900

■ 40.4290, 0.3025,
0.3673

■ 42.6132, 0.3076,
0.3469

■ 45.1115, 0.3128,
0.3288

Harmonies

Analogous

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



32.7277, 0.3933, 0.5414



32.7277, 0.2873, 0.5445



32.7277, 0.1931, 0.4329

Triad

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



32.7277, 0.2873, 0.5445



32.7277, 0.1452, 0.1672



32.7277, 0.5229, 0.3122

Complementary

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



32.7277, 0.2873, 0.5445



11.7447, 0.3951, 0.2007

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.



32.7277, 0.4252, 0.2446



32.7277, 0.2873, 0.5445



32.7277, 0.2015, 0.1656

Square

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



32.7277, 0.2873, 0.5445



32.7277, 0.1247, 0.2042



32.7277, 0.2994, 0.1926



32.7277, 0.5410, 0.3871

Rectangle

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



32.7277, 0.2873, 0.5445



32.7277, 0.1514, 0.3351



32.7277, 0.2994, 0.1926



32.7277, 0.4977, 0.2887

Sweetspot

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



32.7290, 0.2873, 0.5445



69.8029, 0.2988, 0.3843



37.5269, 0.3752, 0.5334



15.2300, 0.2972, 0.3922



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.



32.7290, 0.2873, 0.5445



58.1200, 0.2908, 0.5668



34.3070, 0.2455, 0.3971



9.5278, 0.3079, 0.3458



22.9546, 0.2895, 0.5621



0.7324, 0.2732, 0.5035

Inverse Universe

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



11.7447, 0.3951, 0.2007



19.9656, 0.4083, 0.2023



10.3025, 0.5660, 0.2988



8.6055, 0.3179, 0.3127



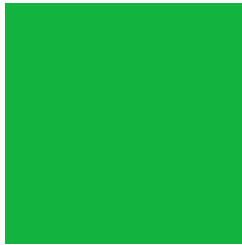
7.9049, 0.4053, 0.2006



0.2580, 0.3769, 0.1850

Previews

White Background



This preview shows how the Yxy color 32.7277, 0.2873, 0.5445 looks on a white background.

Color Contrast Check

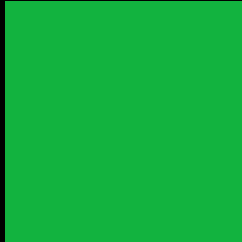
Large Text (above 18pt) WCAG AA × Fail

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 32.7277, 0.2873, 0.5445 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 32.7277, 0.2873, 0.5445

Background



This preview shows how black text looks on a background with the Yxy color 32.7277, 0.2873, 0.5445.



This preview shows how white text looks on a background with the Yxy color 32.7277, 0.2873, 0.5445.

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

32.7277, 0.2873, 0.5445

Protanopia

32.1674, 0.4192, 0.4605

Deuteranopia

31.9860, 0.4336, 0.4239



Tritanopia

32.4295, 0.2355, 0.3057

Trichromacy



Original Color

32.7277, 0.2873, 0.5445



Protanomaly

30.2232, 0.3505, 0.5023



Deuteranomaly

29.3954, 0.3581, 0.4773



Tritanomaly

31.7451, 0.2536, 0.3895

Monochromacy



Original Color

32.7277, 0.2873, 0.5445



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

21.4318, 0.2931, 0.4170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7277, 0.2873, 0.5445 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(18, 179, 63)` looks like.

```
.text, #text, p{  
    color:rgb(18, 179, 63)  
}
```

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(18, 179, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 179, 63) }
```

Border

The CSS property to change the border of an element to Yxy 32.7277, 0.2873, 0.5445 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(18, 179, 63) }
```

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

```
.border{ border-color:rgb(18, 179, 63) }
```

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

Here you see how a box with a 4 pixel rgb(18, 179, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 179, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 179, 63);  
box-shadow:4px 4px 4px 4px rgb(18, 179,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7277, 0.2873, 0.5445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 179, 63) }
```

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

```
.background{ background-color: rgb(18, 179,  
63) }
```

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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