

Converting Colors

$Y_{xy}(32.4253, 0.3073, 0.5942)$

Have a look what the booklet for
Yxy(32.4253, 0.3073, 0.5942)
contains.

Yxy(32.2341, 0.3075, 0.5941)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.2341, 0.3075, 0.5941)

Conversions

Conversions Part 1

Format	Color
Hex	25B200
RGB	37, 178, 0
RGB Percent	15%, 70%, 0%
CMY	0.8547, 0.3020, 1.0000
CMYK	0.79, 0.00, 1.00, 0.30
HSL	108°, 100%, 35%
HSV	108°, 100%, 70%
XYZ	16.6840, 32.2341, 5.3389
YIQ	115.5490, -26.8980, -85.2500

Conversions

Conversions Part 2

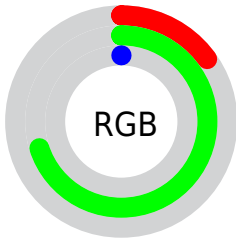
Format	Color
RYB	0, 178, 141
Decimal	2470400
CIELab	63.54, -62.87, 63.93
CIElCh	64, 89.663, 134.522
Yxy	32.2341, 0.3075, 0.5941
Android (android.graphics.Color)	4280660480 (0xFF25B200)
YUV	115.5490, -56.9657, -68.8875
Hunter-Lab	56.7751, -46.9020, 34.1672

Details

The Yxy color **32.2341, 0.3075, 0.5941** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **8.8732, 0.2689, 0.1255**, and the grayscale version is **17.5083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1897, 0.3174, 0.5374**, and **14.4153, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **32.2357, 0.3075, 0.5941**, and if you desaturate by 10%, it is **32.5920, 0.3111, 0.5827**.

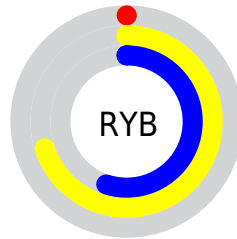
Distribution



Red (15%)

Green (70%)

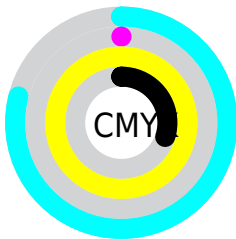
Blue (0%)



Red (0%)

Yellow (70%)

Blue (55%)

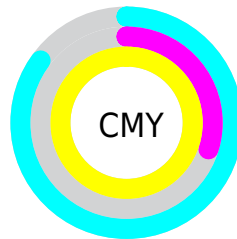


Cyan (79%)

Magenta (0%)

Yellow (100%)

Black (30%)



Cyan (85%)


Magenta (30%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2341, 0.3075, 0.5941 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 32.2341, 0.3075, 0.5941 by changing the saturation by 10% instead.


 32.2341, 0.3075,
0.5941


 32.2341, 0.3075,
0.5941


312.1843, 0.3232,
0.4454


 21.5404, 0.2969,
0.6330


 63.1779, 0.3177,
0.5377

 13.5196, 0.2789,
0.6818


 84.1968, 0.3201,
0.5170


 7.7873, 0.2503,
0.7497


 109.4261, 0.3215,
0.4998

 3.9591, 0.1928,
0.8072

 139.2504, 0.3224,
0.4854

 1.6507, 0.0000,
1.0000

 174.0539, 0.3229,
0.4731


 0.3914, 0.0000,
1.0000


 214.2212, 0.3232,

 0.0000, 0.0000,


0.4626


0.0000

 260.1365, 0.3233,
0.4535

 32.2341, 0.3075,
0.5941


 32.2341, 0.3075,
0.5941

 32.2357, 0.3075,
0.5941

 32.5920, 0.3111,
0.5827

 33.0984, 0.3146,
0.5650

 33.7788, 0.3172,
0.5405

 34.6486, 0.3188,
0.5109

 35.7212, 0.3195,
0.4784

■ 37.0087, 0.3192,
0.4451

■ 38.5224, 0.3181,
0.4126

■ 40.2727, 0.3166,
0.3820

■ 42.2692, 0.3148,
0.3541

Harmonies

Analogous

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



32.2341, 0.4239, 0.5467



32.2341, 0.3075, 0.5941



32.2341, 0.1978, 0.4975

Triad

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



32.2341, 0.3075, 0.5941



32.2341, 0.1180, 0.1543



32.2341, 0.5334, 0.2852

Complementary

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



32.2341, 0.3075, 0.5941



8.8732, 0.2689, 0.1255

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.



32.2341, 0.4030, 0.2160



32.2341, 0.3075, 0.5941



32.2341, 0.1669, 0.1451

Square

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



32.2341, 0.3075, 0.5941



32.2341, 0.1047, 0.2045



32.2341, 0.2622, 0.1665



32.2341, 0.5751, 0.3623

Rectangle

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



32.2341, 0.3075, 0.5941



32.2341, 0.1449, 0.3773



32.2341, 0.2622, 0.1665



32.2341, 0.4968, 0.2609

Sweetspot

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



32.2357, 0.3075, 0.5941



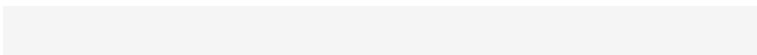
69.7036, 0.3182, 0.4142



28.0566, 0.4635, 0.4702



15.1800, 0.3187, 0.4277



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.



32.2357, 0.3075, 0.5941



58.3770, 0.3067, 0.5947



32.0756, 0.2897, 0.5630



9.5725, 0.3146, 0.3523



23.0870, 0.3081, 0.5936



0.7511, 0.3272, 0.5784

Inverse Universe

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



8.8732, 0.2689, 0.1255



15.9891, 0.2680, 0.1250



11.0124, 0.4081, 0.2022



8.5557, 0.3105, 0.3063



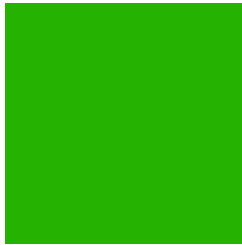
6.3762, 0.2695, 0.1258



0.2231, 0.2847, 0.1342

Previews

White Background



This preview shows how the Yxy color 32.2341, 0.3075, 0.5941 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 32.2341, 0.3075, 0.5941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

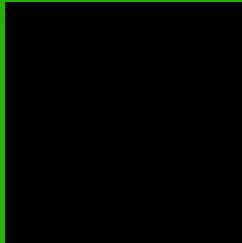
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2341, 0.3075, 0.5941

Background



This preview shows how black text looks on a background with the Yxy color 32.2341, 0.3075, 0.5941.



This preview shows how white text looks on a background with the Yxy color 32.2341, 0.3075, 0.5941.

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

32.2341, 0.3075, 0.5941

Protanopia

31.5531, 0.4400, 0.4888

Deuteranopia

31.5972, 0.4599, 0.4511



Tritanopia

31.9588, 0.2399, 0.3058

Trichromacy



Original Color

32.2341, 0.3075, 0.5941



Protanomaly

30.0516, 0.3777, 0.5383



Deuteranomaly

29.4141, 0.3915, 0.5147



Tritanomaly

31.1226, 0.2743, 0.4342

Monochromacy



Original Color

32.2341, 0.3075, 0.5941



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.9859, 0.3189, 0.4647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2341, 0.3075, 0.5941 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(37, 178, 0)` looks like.

```
.text, #text, p{  
    color:rgb(37, 178, 0)  
}
```

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(37, 178, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 178, 0) }
```

Border

The CSS property to change the border of an element to Yxy 32.2341, 0.3075, 0.5941 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(37, 178, 0) }
```

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

```
.border{ border-color:rgb(37, 178, 0) }
```

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

Here you see how a box with a 4 pixel rgb(37, 178, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 178, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 178, 0);  
box-shadow:4px 4px 4px 4px rgb(37, 178, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 32.2341, 0.3075, 0.5941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 178, 0) }
```

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

```
.background{ background-color: rgb(37, 178,  
0) }
```

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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