

Converting Colors

$Y_{xy}(32.1321, 0.3470, 0.5429)$

Have a look what the booklet for
Yxy(32.1321, 0.3470, 0.5429)
contains.

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Color

Yxy(32.1732, 0.3468, 0.5435)

Conversions

Conversions Part 1

Format	Color
Hex	68AB20
RGB	104, 171, 32
RGB Percent	41%, 67%, 13%
CMY	0.5923, 0.3294, 0.8745
CMYK	0.39, 0.00, 0.81, 0.33
HSL	89°, 68%, 40%
HSV	89°, 81%, 67%
XYZ	20.5293, 32.1732, 6.4938
YIQ	135.1210, 4.6870, -57.4330

Conversions

Conversions Part 2

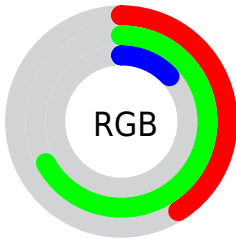
Format	Color
RYB	32, 171, 99
Decimal	6859552
CIELab	63.49, -42.62, 58.90
CIELCh	63, 72.703, 125.885
Yxy	32.1732, 0.3468, 0.5435
Android (android.graphics.Color)	4285049632 (0xFF68AB20)
YUV	135.1210, -50.8387, -27.2931
Hunter-Lab	56.7214, -34.6577, 32.9171

Details

The Yxy color **32.1732, 0.3468, 0.5435** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.6286, 0.2215, 0.1128**, and the grayscale version is **24.4646, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1499, 0.3463, 0.4992**, and **13.5612, 0.3266, 0.5789** is the 20% darker color. If you saturate the color by 10%, you get **31.6351, 0.3435, 0.5588**, and if you desaturate by 10%, it is **32.8107, 0.3479, 0.5230**.

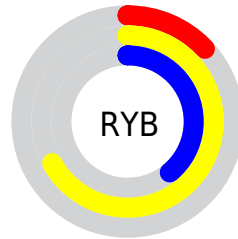
Distribution



Red (41%)

Green (67%)

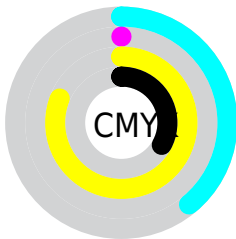
Blue (13%)



Red (13%)

Yellow (67%)

Blue (39%)

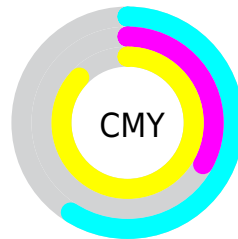


Cyan (39%)

Magenta (0%)

Yellow (81%)

Black (33%)



Cyan (59%)


Magenta (33%)


Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.1732, 0.3468, 0.5435 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 32.1732, 0.3468, 0.5435 by changing the saturation by 10% instead.


 32.1732, 0.3468,
0.5435


 32.1732, 0.3468,
0.5435


311.9075, 0.3380,
0.4259


 21.4938, 0.3441,
0.5738


 63.0825, 0.3467,
0.4994


 13.4854, 0.3370,
0.6116


 84.0812, 0.3457,
0.4831

 7.7637, 0.3275,
0.6725


 109.2885, 0.3444,
0.4695

 3.9441, 0.2859,
0.7141

 139.0888, 0.3430,
0.4580

 1.6423, 0.1874,
0.8126

 173.8664, 0.3417,
0.4482

 0.3859, 0.0000,
1.0000

 214.0058, 0.3404,

 0.0000, 0.0000,

0.4398

0.0000

259.8914, 0.3392,
0.4324

■ 32.1732, 0.3468,
0.5435

■ 32.1732, 0.3468,
0.5435

■ 31.6351, 0.3435,
0.5588

■ 32.8107, 0.3479,
0.5230

■ 31.2302, 0.3394,
0.5687

■ 33.5511, 0.3469,
0.4982

■ 34.4029, 0.3440,
0.4706

■ 35.3719, 0.3394,
0.4415

■ 36.4638, 0.3337,
0.4123

■ 37.6838, 0.3273,
0.3839

■ 39.0366, 0.3205,
0.3570

■ 40.5268, 0.3136,
0.3321

■ 42.1586, 0.3068,
0.3093

Harmonies

Analogous

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



32.1732, 0.4439, 0.4989



32.1732, 0.3468, 0.5435



32.1732, 0.2465, 0.4947

Triad

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



32.1732, 0.3468, 0.5435



32.1732, 0.1370, 0.1893



32.1732, 0.4678, 0.2771

Complementary

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



32.1732, 0.3468, 0.5435



6.6286, 0.2215, 0.1128

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.



32.1732, 0.3531, 0.2184



32.1732, 0.3468, 0.5435



32.1732, 0.1720, 0.1696

Square

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



32.1732, 0.3468, 0.5435



32.1732, 0.1352, 0.2504



32.1732, 0.2442, 0.1807



32.1732, 0.5301, 0.3465

Rectangle

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



32.1732, 0.3468, 0.5435



32.1732, 0.1913, 0.4107



32.1732, 0.2442, 0.1807



32.1732, 0.4326, 0.2558

Sweetspot

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



32.1746, 0.3468, 0.5435



66.7713, 0.3294, 0.3926



17.2886, 0.5054, 0.4098



14.7211, 0.3316, 0.4025



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.



32.1746, 0.3468, 0.5435



55.9539, 0.3393, 0.5677



29.6203, 0.3027, 0.5756



9.1356, 0.3191, 0.3519



23.5715, 0.3401, 0.5681



0.6881, 0.3636, 0.5495

Inverse Universe

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



6.6286, 0.2215, 0.1128



8.6323, 0.1999, 0.0882



12.1212, 0.3139, 0.1607



7.9396, 0.3058, 0.3061



3.6160, 0.2005, 0.0878



0.1333, 0.2355, 0.1071

Previews

White Background



This preview shows how the Yxy color 32.1732, 0.3468, 0.5435 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 32.1732, 0.3468, 0.5435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

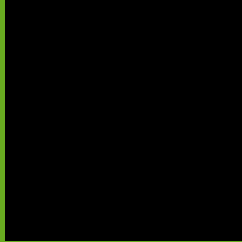
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.1732, 0.3468, 0.5435

Background



This preview shows how black text looks on a background with the Yxy color 32.1732, 0.3468, 0.5435.



This preview shows how white text looks on a background with the Yxy color 32.1732, 0.3468, 0.5435.

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

32.1732, 0.3468, 0.5435

Protanopia

31.6323, 0.4342, 0.4802

Deuteranopia

31.6467, 0.4563, 0.4465



Tritanopia

31.9858, 0.2701, 0.3084

Trichromacy



Original Color

32.1732, 0.3468, 0.5435

Protanomaly

31.4334, 0.3992, 0.5055

Deuteranomaly

30.7380, 0.4149, 0.4824

Tritanomaly

31.2879, 0.3048, 0.4016

Monochromacy



Original Color

32.1732, 0.3468, 0.5435

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

26.3467, 0.3351, 0.4183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1732, 0.3468, 0.5435 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(104, 171, 32)` looks like.

```
.text, #text, p{  
    color:rgb(104, 171, 32)  
}
```

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(104, 171, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 171, 32) }
```

Border

The CSS property to change the border of an element to Yxy 32.1732, 0.3468, 0.5435 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(104, 171, 32) }
```

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

```
.border{ border-color:rgb(104, 171, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 171, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 171, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 171, 32);  
box-shadow:4px 4px 4px 4px rgb(104, 171,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1732, 0.3468, 0.5435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 171, 32) }
```

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

```
.background{ background-color: rgb(104,  
171, 32) }
```

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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