

Converting Colors

$Y_{xy}(32.5705, 0.3504, 0.5322)$

Have a look what the booklet for
Yxy(32.5705, 0.3504, 0.5322)
contains.

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Color

Yxy(32.6585, 0.3505, 0.5324)

Conversions

Conversions Part 1

Format	Color
Hex	6FAB28
RGB	111, 171, 40
RGB Percent	44%, 67%, 16%
CMY	0.5648, 0.3294, 0.8429
CMYK	0.35, 0.00, 0.77, 0.33
HSL	88°, 62%, 41%
HSV	88°, 77%, 67%
XYZ	21.5004, 32.6585, 7.1832
YIQ	138.1260, 6.2910, -53.4610

Conversions

Conversions Part 2

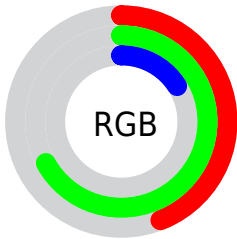
Format	Color
RYB	40, 171, 100
Decimal	7318312
CIELab	63.88, -39.67, 56.92
CIElCh	64, 69.379, 124.877
Yxy	32.6585, 0.3505, 0.5324
Android (android.graphics.Color)	4285508392 (0xFF6FAB28)
YUV	138.1260, -48.3761, -23.7895
Hunter-Lab	57.1476, -32.8521, 32.5509

Details

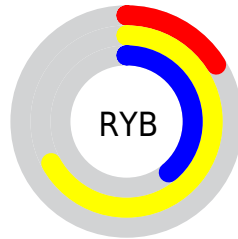
The Yxy color **32.6585, 0.3505, 0.5324** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.1767, 0.2238, 0.1201**, and the grayscale version is **25.6544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9799, 0.3492, 0.4913**, and **13.7691, 0.3348, 0.5724** is the 20% darker color. If you saturate the color by 10%, you get **32.0817, 0.3484, 0.5499**, and if you desaturate by 10%, it is **33.3343, 0.3503, 0.5101**.

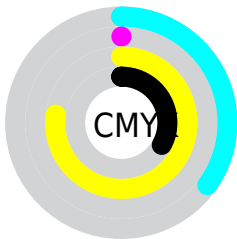
Distribution



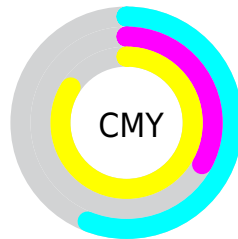
- Red (44%)
- Green (67%)
- Blue (16%)



- Red (16%)
- Yellow (67%)
- Blue (39%)



- Cyan (35%)
- Magenta (0%)
- Yellow (77%)
- Black (33%)




- Cyan (56%)
- Magenta (33%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.6585, 0.3505, 0.5324 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 32.6585, 0.3505, 0.5324 by changing the saturation by 10% instead.

 32.6585, 0.3505,
0.5324


 32.6585, 0.3505,
0.5324


314.1081, 0.3388,
0.4213

 21.8650, 0.3491,
0.5611


 63.8420, 0.3490,
0.4907


 13.7577, 0.3441,
0.5972

 85.0007, 0.3475,
0.4753

 7.9523, 0.3372,
0.6542


 110.3834, 0.3459,
0.4625


 4.0645, 0.3020,
0.6980

 140.3742, 0.3443,
0.4516

 1.7097, 0.2236,
0.7764

 175.3577, 0.3428,
0.4424

 0.4299, 0.0000,
1.0000

 215.7183, 0.3414,

 0.0000, 0.0000,

0.4344

0.0000

261.8403, 0.3400,
0.4274

■ 32.6585, 0.3505,
0.5324

■ 32.6585, 0.3505,
0.5324

■ 32.0817, 0.3484,
0.5499

■ 33.3343, 0.3503,
0.5101

■ 31.5900, 0.3444,
0.5623

■ 34.1119, 0.3480,
0.4843

■ 31.4352, 0.3428,
0.5660

■ 34.9990, 0.3438,
0.4562

■ 36.0013, 0.3383,
0.4272

■ 37.1240, 0.3318,
0.3985

■ 38.3718, 0.3248,
0.3709

■ 39.7492, 0.3175,
0.3450

■ 41.2606, 0.3102,
0.3210

■ 42.9099, 0.3032,
0.2992

Harmonies

Analogous

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



32.6585, 0.4430, 0.4909



32.6585, 0.3505, 0.5324



32.6585, 0.2536, 0.4882

Triad

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



32.6585, 0.3505, 0.5324



32.6585, 0.1428, 0.1965



32.6585, 0.4570, 0.2777

Complementary

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



32.6585, 0.3505, 0.5324



7.1767, 0.2238, 0.1201

Split Complementary

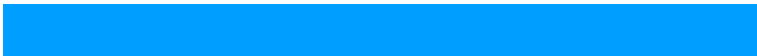
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



32.6585, 0.3477, 0.2213



32.6585, 0.3505, 0.5324



32.6585, 0.1758, 0.1758

Square

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



32.6585, 0.3505, 0.5324



32.6585, 0.1425, 0.2578



32.6585, 0.2445, 0.1855



32.6585, 0.5192, 0.3452

Rectangle

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



32.6585, 0.3505, 0.5324



32.6585, 0.1994, 0.4109



32.6585, 0.2445, 0.1855



32.6585, 0.4232, 0.2572

Sweetspot

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



32.6599, 0.3505, 0.5324



67.1648, 0.3296, 0.3896



17.7335, 0.4956, 0.4061



14.8088, 0.3320, 0.3995



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.



32.6599, 0.3505, 0.5324



56.8172, 0.3457, 0.5591



29.8768, 0.3043, 0.5647



9.1449, 0.3195, 0.3519



23.7273, 0.3435, 0.5655



0.6921, 0.3663, 0.5474

Inverse Universe

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



7.1767, 0.2238, 0.1201



9.0901, 0.2022, 0.0920



12.4037, 0.3110, 0.1641



7.9303, 0.3055, 0.3061



3.4806, 0.1961, 0.0854



0.1296, 0.2318, 0.1051

Previews

White Background



This preview shows how the Yxy color 32.6585, 0.3505, 0.5324 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 32.6585, 0.3505, 0.5324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

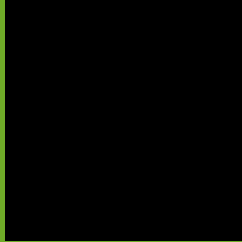
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.6585, 0.3505, 0.5324

Background



This preview shows how black text looks on a background with the Yxy color 32.6585, 0.3505, 0.5324.



This preview shows how white text looks on a background with the Yxy color 32.6585, 0.3505, 0.5324.

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

32.6585, 0.3505, 0.5324

Protanopia

32.1228, 0.4308, 0.4754

Deuteranopia

32.1342, 0.4527, 0.4426



Tritanopia

32.3640, 0.2741, 0.3086

Trichromacy



Original Color

32.6585, 0.3505, 0.5324

Protanomaly

31.7592, 0.3995, 0.4980

Deuteranomaly

31.4345, 0.4137, 0.4756

Tritanomaly

31.7872, 0.3078, 0.3951

Monochromacy



Original Color

32.6585, 0.3505, 0.5324

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

27.3612, 0.3352, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.6585, 0.3505, 0.5324 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(111, 171, 40)` looks like.

```
.text, #text, p{  
    color:rgb(111, 171, 40)  
}
```

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(111, 171, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 171, 40) }
```

Border

The CSS property to change the border of an element to Yxy 32.6585, 0.3505, 0.5324 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(111, 171, 40) }
```

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

```
.border{ border-color:rgb(111, 171, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 171, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 171, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 171, 40);  
box-shadow:4px 4px 4px 4px rgb(111, 171,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 32.6585, 0.3505, 0.5324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 171, 40) }
```

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

```
.background{ background-color: rgb(111,  
171, 40) }
```

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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