

Converting Colors

$Y_{xy}(32.1224, 0.3476, 0.5548)$

Have a look what the booklet for
Yxy(32.1224, 0.3476, 0.5548)
contains.

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Color

Yxy(32.3122, 0.3472, 0.5549)

Conversions

Conversions Part 1

Format	Color
Hex	65AC11
RGB	101, 172, 17
RGB Percent	40%, 67%, 7%
CMY	0.6041, 0.3255, 0.9334
CMYK	0.41, 0.00, 0.90, 0.33
HSL	87°, 82%, 37%
HSV	87°, 90%, 67%
XYZ	20.2177, 32.3122, 5.7008
YIQ	133.1010, 7.4390, -63.2570

Conversions

Conversions Part 2

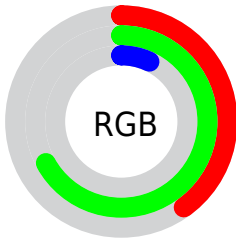
Format	Color
RYB	17, 172, 88
Decimal	6663185
CIELab	63.60, -44.63, 62.42
CIELCh	64, 76.737, 125.566
Yxy	32.3122, 0.3472, 0.5549
Android (android.graphics.Color)	4284853265 (0xFF65AC11)
YUV	133.1010, -57.2378, -28.1526
Hunter-Lab	56.8438, -35.9894, 33.8446

Details

The Yxy color **32.3122, 0.3472, 0.5549** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **5.4558, 0.2063, 0.0964**, and the grayscale version is **23.7025, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3500, 0.3483, 0.5092**, and **13.6859, 0.3216, 0.5828** is the 20% darker color. If you saturate the color by 10%, you get **31.8449, 0.3428, 0.5660**, and if you desaturate by 10%, it is **32.8667, 0.3500, 0.5393**.

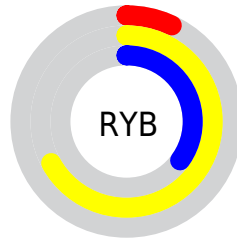
Distribution



Red (40%)

Green (67%)

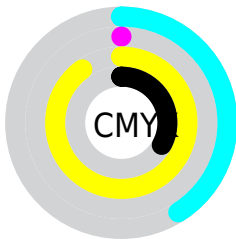
Blue (7%)



Red (7%)

Yellow (67%)

Blue (35%)

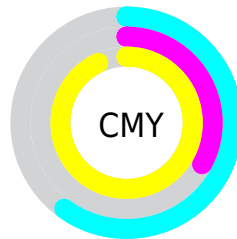


Cyan (41%)

Magenta (0%)

Yellow (90%)

Black (33%)



Cyan (60%)


Magenta (33%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3122, 0.3472, 0.5549 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 32.3122, 0.3472, 0.5549 by changing the saturation by 10% instead.


 32.3122, 0.3472,
0.5549


 32.3122, 0.3472,
0.5549


312.5390, 0.3396,
0.4317

 21.6001, 0.3435,
0.5860

 63.3002, 0.3481,
0.5090


 13.5633, 0.3347,
0.6243


 84.3449, 0.3472,
0.4920


 7.8176, 0.3201,
0.6799


 109.6025, 0.3460,
0.4777

 3.9785, 0.2768,
0.7232

 139.4575, 0.3447,
0.4656

 1.6615, 0.1705,
0.8295

 174.2942, 0.3434,
0.4552

 0.3986, 0.0000,
1.0000

 214.4971, 0.3421,

 0.0000, 0.0000,

0.4463

0.0000

260.4506, 0.3408,
0.4385

■ 32.3122, 0.3472,
0.5549

■ 32.3122, 0.3472,
0.5549

■ 31.8449, 0.3428,
0.5660

■ 32.8667, 0.3500,
0.5393

■ 33.5143, 0.3506,
0.5186

■ 34.2641, 0.3490,
0.4938

■ 35.1228, 0.3455,
0.4664

■ 36.0962, 0.3404,
0.4376

■ 37.1898, 0.3342,
0.4086

■ 38.4085, 0.3273,
0.3805

■ 39.7571, 0.3201,
0.3540

■ 41.2400, 0.3128,
0.3293

Harmonies

Analogous

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



32.3122, 0.4484, 0.5038



32.3122, 0.3472, 0.5549



32.3122, 0.2431, 0.5064

Triad

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



32.3122, 0.3472, 0.5549



32.3122, 0.1303, 0.1834



32.3122, 0.4748, 0.2734

Complementary

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



32.3122, 0.3472, 0.5549



5.4558, 0.2063, 0.0964

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.



32.3122, 0.3534, 0.2132



32.3122, 0.3472, 0.5549



32.3122, 0.1656, 0.1634

Square

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



32.3122, 0.3472, 0.5549



32.3122, 0.1283, 0.2466



32.3122, 0.2396, 0.1747



32.3122, 0.5404, 0.3444

Rectangle

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



32.3122, 0.3472, 0.5549



32.3122, 0.1858, 0.4167



32.3122, 0.2396, 0.1747



32.3122, 0.4374, 0.2516

Sweetspot

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



32.3136, 0.3472, 0.5549



68.0210, 0.3324, 0.4011



15.5879, 0.5319, 0.4044



14.6315, 0.3346, 0.4105



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.



32.3136, 0.3472, 0.5549



57.6322, 0.3416, 0.5669



29.7522, 0.3022, 0.5895



9.1450, 0.3195, 0.3519



23.7282, 0.3435, 0.5655



0.6921, 0.3663, 0.5474

Inverse Universe

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



5.4558, 0.2063, 0.0964



8.2776, 0.1932, 0.0838



11.2995, 0.3096, 0.1521



7.9303, 0.3055, 0.3061



3.4799, 0.1960, 0.0854



0.1296, 0.2318, 0.1050

Previews

White Background



This preview shows how the Yxy color 32.3122, 0.3472, 0.5549 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 32.3122, 0.3472, 0.5549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

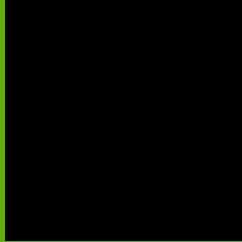
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3122, 0.3472, 0.5549

Background



This preview shows how black text looks on a background with the Yxy color 32.3122, 0.3472, 0.5549.



This preview shows how white text looks on a background with the Yxy color 32.3122, 0.3472, 0.5549.

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

32.3122, 0.3472, 0.5549

Protanopia

32.0130, 0.4386, 0.4870

Deuteranopia

31.7218, 0.4614, 0.4510



Tritanopia

32.2237, 0.2679, 0.3084

Trichromacy



Original Color

32.3122, 0.3472, 0.5549

Protanomaly

31.7169, 0.4027, 0.5142

Deuteranomaly

31.0100, 0.4180, 0.4900

Tritanomaly

31.3893, 0.3070, 0.4124

Monochromacy



Original Color

32.3122, 0.3472, 0.5549

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

25.6877, 0.3386, 0.4304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3122, 0.3472, 0.5549 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(101, 172, 17)` looks like.

```
.text, #text, p{  
    color:rgb(101, 172, 17)  
}
```

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(101, 172, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 172, 17) }
```

Border

The CSS property to change the border of an element to Yxy 32.3122, 0.3472, 0.5549 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(101, 172, 17) }
```

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

```
.border{ border-color:rgb(101, 172, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 172, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 172, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 172, 17);  
box-shadow:4px 4px 4px 4px rgb(101, 172,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3122, 0.3472, 0.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 172, 17) }
```

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

```
.background{ background-color: rgb(101,  
172, 17) }
```

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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