

Converting Colors

$Yxy(32.4262, 0.3071, 0.4474)$

Have a look what the booklet for
Yxy(32.4262, 0.3071, 0.4474)
contains.

Yxy(32.5535, 0.3064, 0.4472)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5535, 0.3064, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	66AA67
RGB	102, 170, 103
RGB Percent	40%, 67%, 40%
CMY	0.5999, 0.3333, 0.5961
CMYK	0.40, 0.00, 0.39, 0.33
HSL	121°, 29%, 53%
HSV	121°, 40%, 67%
XYZ	22.3041, 32.5535, 17.9365
YIQ	142.0300, -19.0210, -35.2530

Conversions

Conversions Part 2

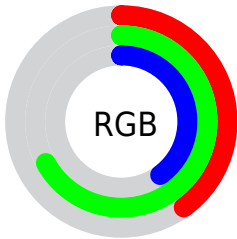
Format	Color
RYB	102, 169, 170
Decimal	6728295
CIELab	63.80, -35.55, 27.95
CIELCh	64, 45.221, 141.831
Yxy	32.5535, 0.3064, 0.4472
Android (android.graphics.Color)	4284918375 (0xFF66AA67)
YUV	142.0300, -19.2418, -35.1063
Hunter-Lab	57.0557, -30.0685, 21.3001

Details

The Yxy color **32.5535, 0.3064, 0.4472** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9201, 0.3184, 0.2337**, and the grayscale version is **27.1485, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8272, 0.3090, 0.4213**, and **13.6514, 0.2994, 0.4914** is the 20% darker color. If you saturate the color by 10%, you get **31.3576, 0.3047, 0.4822**, and if you desaturate by 10%, it is **34.0233, 0.3081, 0.4134**.

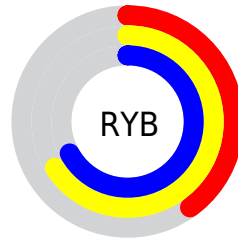
Distribution



Red (40%)

Green (67%)

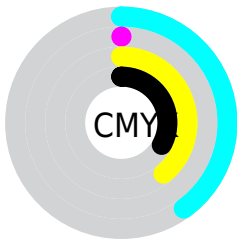
Blue (40%)



Red (40%)

Yellow (66%)

Blue (67%)

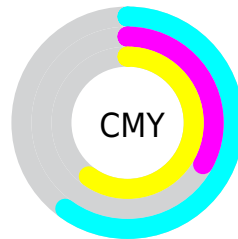


Cyan (40%)

Magenta (0%)

Yellow (39%)

Black (33%)



Cyan (60%)


Magenta (33%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5535, 0.3064, 0.4472 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 32.5535, 0.3064, 0.4472 by changing the saturation by 10% instead.

 32.5535, 0.3064,
0.4472


 32.5535, 0.3064,
0.4472


313.6330, 0.3119,
0.3810


 21.7846, 0.3039,
0.4663


 63.6778, 0.3091,
0.4213


 13.6987, 0.2999,
0.4925


 84.8020, 0.3099,
0.4122

 7.9114, 0.2927,
0.5302


 110.1468, 0.3105,
0.4046

 4.0383, 0.2785,
0.5882

 140.0965, 0.3109,
0.3984

 1.6950, 0.2562,
0.7438

175.0356, 0.3113,
0.3930

 0.4204, 0.0000,
1.0000

215.3485, 0.3115,

 0.0000, 0.0000,

0.3885

0.0000

261.4194, 0.3117,
0.3845

■ 32.5535, 0.3064,
0.4472

■ 32.5535, 0.3064,
0.4472

■ 31.3576, 0.3047,
0.4822

■ 34.0233, 0.3081,
0.4134

■ 30.4149, 0.3030,
0.5164

■ 35.7780, 0.3098,
0.3820

■ 29.7083, 0.3017,
0.5472


■ 37.8332, 0.3113,
0.3538


■ 29.2171, 0.3007,
0.5721

■ 40.2018, 0.3127,
0.3290


■ 28.9165, 0.3001,
0.5893

■ 42.8964, 0.3139,
0.3073


 28.7550, 0.2997,
0.5990

 45.9285, 0.3150,
0.2886

 28.7547, 0.2997,
0.5990

 49.3094, 0.3160,
0.2726

 53.0495, 0.3168,
0.2588

 57.1539, 0.3175,
0.2470

Harmonies

Analogous

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



32.5535, 0.3746, 0.4581



32.5535, 0.3064, 0.4472



32.5535, 0.2435, 0.3893

Triad

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



32.5535, 0.3064, 0.4472



32.5535, 0.2026, 0.2256



32.5535, 0.4361, 0.3248

Complementary

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



32.5535, 0.3064, 0.4472



20.9201, 0.3184, 0.2337

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.



32.5535, 0.3789, 0.2762



32.5535, 0.3064, 0.4472



32.5535, 0.2428, 0.2214

Square

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



32.5535, 0.3064, 0.4472



32.5535, 0.1887, 0.2560



32.5535, 0.3060, 0.2396



32.5535, 0.4541, 0.3780

Rectangle

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



32.5535, 0.3064, 0.4472



32.5535, 0.2129, 0.3387



32.5535, 0.3060, 0.2396



32.5535, 0.4205, 0.3077

Sweetspot

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



32.5549, 0.3064, 0.4472



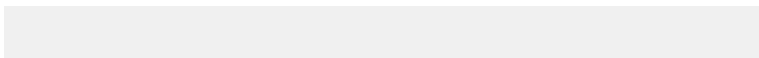
67.7629, 0.3110, 0.3598



38.2553, 0.3714, 0.4260



15.0038, 0.3108, 0.3633



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.



32.5549, 0.3064, 0.4472



57.1136, 0.3049, 0.4783



33.3538, 0.2822, 0.3873



8.4094, 0.3114, 0.3520



21.1530, 0.2997, 0.5988



0.5152, 0.2982, 0.5934

Inverse Universe

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



20.9201, 0.3184, 0.2337



33.0356, 0.3196, 0.2145



19.8321, 0.3611, 0.2779



7.6648, 0.3140, 0.3071



8.3559, 0.3244, 0.1561



0.2039, 0.3232, 0.1554

Previews

White Background



This preview shows how the Yxy color 32.5535, 0.3064, 0.4472 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 32.5535, 0.3064, 0.4472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

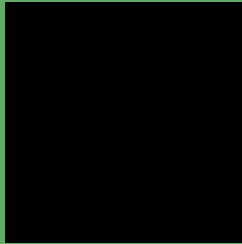
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5535, 0.3064, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 32.5535, 0.3064, 0.4472.



This preview shows how white text looks on a background with the Yxy color 32.5535, 0.3064, 0.4472.

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

32.5535, 0.3064, 0.4472

Protanopia

32.2991, 0.3822, 0.4134

Deuteranopia

32.0174, 0.3920, 0.3842



Tritanopia

32.2587, 0.2636, 0.3082

Trichromacy



Original Color

32.5535, 0.3064, 0.4472



Protanomaly

31.9718, 0.3515, 0.4269



Deuteranomaly

31.3533, 0.3580, 0.4060



Tritanomaly

32.0685, 0.2793, 0.3558

Monochromacy



Original Color

32.5535, 0.3064, 0.4472



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

28.5270, 0.3098, 0.3701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5535, 0.3064, 0.4472 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(102, 170, 103)` looks like.

```
.text, #text, p{  
    color:rgb(102, 170, 103)  
}
```

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(102, 170, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 170, 103) }
```

Border

The CSS property to change the border of an element to Yxy 32.5535, 0.3064, 0.4472 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(102, 170, 103) }
```

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

```
.border{ border-color:rgb(102, 170, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 170, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 170, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 170, 103);  
box-shadow:4px 4px 4px 4px rgb(102, 170,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5535, 0.3064, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 170, 103) }
```

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

```
.background{ background-color: rgb(102,  
170, 103) }
```

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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