

Converting Colors

$Yxy(33.6727, 0.3228, 0.4056)$

Have a look what the booklet for
Yxy(33.6727, 0.3228, 0.4056)
contains.

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Color

Yxy(33.6727, 0.3228, 0.4056)

Conversions

Conversions Part 1

Format	Color
Hex	86A677
RGB	134, 166, 119
RGB Percent	53%, 65%, 47%
CMY	0.4745, 0.3490, 0.5332
CMYK	0.19, 0.00, 0.28, 0.35
HSL	101°, 21%, 56%
HSV	101°, 28%, 65%
XYZ	26.7987, 33.6727, 22.5481
YIQ	151.0740, -3.9850, -21.4010

Conversions

Conversions Part 2

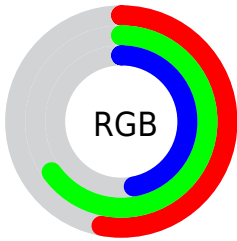
Format	Color
RYB	119, 166, 151
Decimal	8824439
CIELab	64.70, -19.99, 20.82
CIELCh	65, 28.858, 133.839
Yxy	33.6727, 0.3228, 0.4056
Android (android.graphics.Color)	4287014519 (0xFF86A677)
YUV	151.0740, -15.8125, -14.9739
Hunter-Lab	58.0282, -19.1141, 17.5813

Details

The Yxy color **33.6727, 0.3228, 0.4056** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.5358, 0.2989, 0.2566**, and the grayscale version is **31.0525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3445, 0.3219, 0.3899**, and **14.3158, 0.3239, 0.4338** is the 20% darker color. If you saturate the color by 10%, you get **32.4292, 0.3255, 0.4366**, and if you desaturate by 10%, it is **35.0881, 0.3195, 0.3764**.

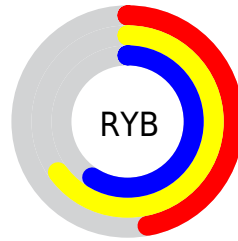
Distribution



Red (53%)

Green (65%)

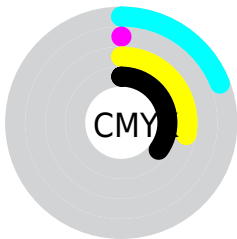
Blue (47%)



Red (47%)

Yellow (65%)

Blue (59%)

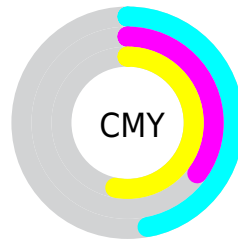


Cyan (19%)

Magenta (0%)

Yellow (28%)

Black (35%)



Cyan (47%)

Magenta (35%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6727, 0.3228, 0.4056 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 33.6727, 0.3228, 0.4056 by changing the saturation by 10% instead.

 33.6727, 0.3228,
0.4056


 33.6727, 0.3228,
0.4056


318.6702, 0.3183,
0.3638

 22.6423, 0.3236,
0.4173


 65.4244, 0.3214,
0.3895

 14.3296, 0.3244,
0.4332


 86.9144, 0.3208,
0.3837

 8.3503, 0.3248,
0.4557


 112.6597, 0.3203,
0.3790

 4.3199, 0.3241,
0.4902

143.0448, 0.3198,
0.3750

 1.8541, 0.3319,
0.5706

178.4540, 0.3194,
0.3715

 0.5205, 0.0129,
0.9871

219.2717, 0.3190,

 0.0000, 0.0000,

0.3686

0.0000

265.8823, 0.3187,
0.3660

■ 33.6727, 0.3228,
0.4056

■ 33.6727, 0.3228,
0.4056

■ 32.4292, 0.3255,
0.4366

■ 35.0881, 0.3195,
0.3764

■ 31.3466, 0.3274,
0.4684

■ 36.6775, 0.3158,
0.3494

■ 30.4192, 0.3282,
0.4996

■ 38.4483, 0.3121,
0.3250

■ 29.6390, 0.3275,
0.5285

■ 40.4062, 0.3083,
0.3032

■ 28.9975, 0.3253,
0.5532

■ 42.5565, 0.3046,
0.2838

■ 28.4850, 0.3216,
0.5721

■ 44.9047, 0.3011,
0.2667

■ 28.0870, 0.3170,
0.5851

■ 47.4555, 0.2978,
0.2516

■ 28.0277, 0.3163,
0.5871

■ 50.2139, 0.2946,
0.2384

■ 52.2891, 0.3013,
0.2380

Harmonies

Analogous

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



33.6727, 0.3654, 0.4082



33.6727, 0.3228, 0.4056



33.6727, 0.2794, 0.3771

Triad

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



33.6727, 0.3228, 0.4056



33.6727, 0.2354, 0.2657



33.6727, 0.3826, 0.3191

Complementary

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



33.6727, 0.3228, 0.4056



22.5358, 0.2989, 0.2566

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.



33.6727, 0.3433, 0.2870



33.6727, 0.3228, 0.4056



33.6727, 0.2588, 0.2567

Square

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



33.6727, 0.3228, 0.4056



33.6727, 0.2310, 0.2925



33.6727, 0.2975, 0.2647



33.6727, 0.4019, 0.3552

Rectangle

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



33.6727, 0.3228, 0.4056



33.6727, 0.2557, 0.3486



33.6727, 0.2975, 0.2647



33.6727, 0.3712, 0.3076

Sweetspot

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



33.6742, 0.3228, 0.4056



66.6096, 0.3158, 0.3490



31.3625, 0.3603, 0.3764



14.8066, 0.3163, 0.3528



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.6742, 0.3228, 0.4056



59.6476, 0.3246, 0.4251



32.7257, 0.3027, 0.3951



8.5195, 0.3162, 0.3520



21.7561, 0.3169, 0.5866



0.5565, 0.3439, 0.5651

Inverse Universe

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



22.5358, 0.2989, 0.2566



36.0301, 0.2949, 0.2394



23.7821, 0.3247, 0.2708



7.5450, 0.3089, 0.3064



4.8879, 0.2431, 0.1113



0.1445, 0.2699, 0.1261

Previews

White Background



This preview shows how the Yxy color 33.6727, 0.3228, 0.4056 looks on a white background.

Color Contrast Check

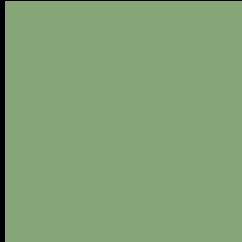
Large Text (above 18pt) WCAG AA × Fail

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 33.6727, 0.3228, 0.4056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

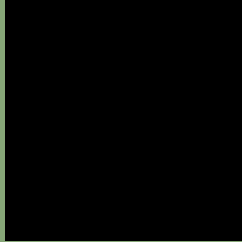
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6727, 0.3228, 0.4056

Background



This preview shows how black text looks on a background with the Yxy color 33.6727, 0.3228, 0.4056.



This preview shows how white text looks on a background with the Yxy color 33.6727, 0.3228, 0.4056.

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

33.6727, 0.3228, 0.4056

Protanopia

33.3396, 0.3642, 0.3900

Deuteranopia

33.2851, 0.3760, 0.3687



Tritanopia

33.5256, 0.2860, 0.3093

Trichromacy



Original Color

33.6727, 0.3228, 0.4056

Protanomaly

33.4705, 0.3490, 0.3969

Deuteranomaly

33.1567, 0.3552, 0.3817

Tritanomaly

33.6295, 0.2991, 0.3431

Monochromacy



Original Color

33.6727, 0.3228, 0.4056

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.6608, 0.3174, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6727, 0.3228, 0.4056 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(134, 166, 119)` looks like.

```
.text, #text, p{  
    color:rgb(134, 166, 119)  
}
```

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(134, 166, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 166, 119) }
```

Border

The CSS property to change the border of an element to Yxy 33.6727, 0.3228, 0.4056 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(134, 166, 119) }
```

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

```
.border{ border-color:rgb(134, 166, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 166, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 166, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 166, 119);  
box-shadow:4px 4px 4px 4px rgb(134, 166,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6727, 0.3228, 0.4056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 166, 119) }
```

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

```
.background{ background-color: rgb(134,  
166, 119) }
```

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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