

Converting Colors

$Yxy(33.0218, 0.3063, 0.4083)$

Have a look what the booklet for
Yxy(33.0218, 0.3063, 0.4083)
contains.

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Color

Yxy(32.8695, 0.3064, 0.4071)

Conversions

Conversions Part 1

Format	Color
Hex	76A779
RGB	118, 167, 121
RGB Percent	46%, 65%, 47%
CMY	0.5374, 0.3451, 0.5255
CMYK	0.29, 0.00, 0.28, 0.35
HSL	124°, 22%, 56%
HSV	124°, 29%, 65%
XYZ	24.7389, 32.8695, 23.1322
YIQ	147.1050, -14.4380, -24.6940

Conversions

Conversions Part 2

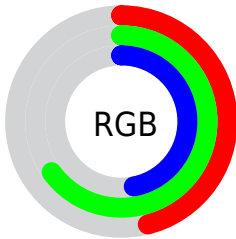
Format	Color
RYB	118, 164, 167
Decimal	7776121
CIELab	64.06, -25.82, 18.69
CIELCh	64, 31.877, 144.110
Yxy	32.8695, 0.3064, 0.4071
Android (android.graphics.Color)	4285966201 (0xFF76A779)
YUV	147.1050, -12.8698, -25.5251
Hunter-Lab	57.3319, -23.3075, 16.2101

Details

The Yxy color **32.8695, 0.3064, 0.4071** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.8468, 0.3194, 0.2617**, and the grayscale version is **29.2808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9565, 0.3078, 0.3894**, and **13.9583, 0.3030, 0.4368** is the 20% darker color. If you saturate the color by 10%, you get **31.4499, 0.3042, 0.4392**, and if you desaturate by 10%, it is **34.5613, 0.3086, 0.3776**.

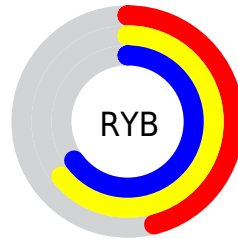
Distribution



Red (46%)

Green (65%)

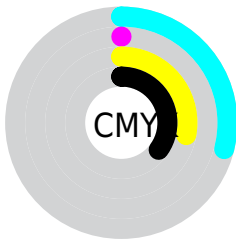
Blue (47%)



Red (46%)

Yellow (64%)

Blue (65%)

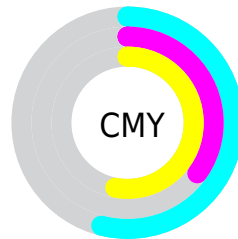


Cyan (29%)

Magenta (0%)

Yellow (28%)

Black (35%)



Cyan (54%)


Magenta (35%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.8695, 0.3064, 0.4071 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 32.8695, 0.3064, 0.4071 by changing the saturation by 10% instead.

 32.8695, 0.3064,
0.4071


 32.8695, 0.3064,
0.4071


315.0613, 0.3107,
0.3640

 22.0265, 0.3048,
0.4194


 64.1717, 0.3083,
0.3904

 13.8764, 0.3024,
0.4362

 85.3997, 0.3089,
0.3844

 8.0347, 0.2985,
0.4604


 110.8582, 0.3094,
0.3795

 4.1172, 0.2913,
0.4982

140.9315, 0.3097,
0.3754

 1.7393, 0.2852,
0.5845

176.0041, 0.3100,
0.3719

 0.4489, 0.0000,
1.0000

216.4603, 0.3103,

 0.0000, 0.0000,

0.3689

0.0000

262.6846, 0.3105,
0.3663

■ 32.8695, 0.3064,
0.4071

■ 32.8695, 0.3064,
0.4071

■ 31.4499, 0.3042,
0.4392

■ 34.5613, 0.3086,
0.3776

■ 30.2844, 0.3022,
0.4727

■ 36.5341, 0.3108,
0.3510

■ 29.3593, 0.3004,
0.5060

■ 38.8013, 0.3128,
0.3276

■ 28.6576, 0.2992,
0.5370

■ 41.3744, 0.3147,
0.3072

■ 28.1605, 0.2986,
0.5633

■ 44.2640, 0.3165,
0.2895

■ 27.8459, 0.2986,
0.5829

■ 47.4806, 0.3181,
0.2743

■ 27.6722, 0.2988,
0.5951

■ 51.0338, 0.3195,
0.2612

■ 27.6630, 0.2988,
0.5956

■ 54.9330, 0.3208,
0.2499

■ 56.1204, 0.3167,
0.2431

Harmonies

Analogous

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



32.8695, 0.3555, 0.4198



32.8695, 0.3064, 0.4071



32.8695, 0.2612, 0.3670

Triad

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



32.8695, 0.3064, 0.4071



32.8695, 0.2339, 0.2533



32.8695, 0.4012, 0.3311

Complementary

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



32.8695, 0.3064, 0.4071



23.8468, 0.3194, 0.2617

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.



32.8695, 0.3633, 0.2937



32.8695, 0.3064, 0.4071



32.8695, 0.2659, 0.2503

Square

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



32.8695, 0.3064, 0.4071



32.8695, 0.2218, 0.2758



32.8695, 0.3127, 0.2650



32.8695, 0.4126, 0.3706

Rectangle

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



32.8695, 0.3064, 0.4071



32.8695, 0.2390, 0.3333



32.8695, 0.3127, 0.2650



32.8695, 0.3910, 0.3180

Sweetspot

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



32.8709, 0.3064, 0.4071



65.4980, 0.3108, 0.3505



36.8996, 0.3536, 0.4013



14.5385, 0.3105, 0.3541



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.



32.8709, 0.3064, 0.4071



57.2121, 0.3050, 0.4270



33.5328, 0.2876, 0.3654



8.4150, 0.3108, 0.3508



21.1685, 0.2986, 0.5949



0.5173, 0.2923, 0.5725

Inverse Universe

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



23.8468, 0.3194, 0.2617



38.4863, 0.3211, 0.2474



23.0620, 0.3478, 0.2954



7.6585, 0.3147, 0.3081



8.1433, 0.3368, 0.1629



0.2004, 0.3310, 0.1597

Previews

White Background



This preview shows how the Yxy color 32.8695, 0.3064, 0.4071 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 32.8695, 0.3064, 0.4071 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 32.8695, 0.3064, 0.4071

Background



This preview shows how black text looks on a background with the Yxy color 32.8695, 0.3064, 0.4071.



This preview shows how white text looks on a background with the Yxy color 32.8695, 0.3064, 0.4071.

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

32.8695, 0.3064, 0.4071

Protanopia

32.4560, 0.3628, 0.3877

Deuteranopia

32.6789, 0.3701, 0.3635



Tritanopia

32.7479, 0.2735, 0.3087

Trichromacy



Original Color

32.8695, 0.3064, 0.4071

Protanomaly

32.4702, 0.3411, 0.3955

Deuteranomaly

32.4003, 0.3438, 0.3785

Tritanomaly

32.8126, 0.2852, 0.3435

Monochromacy



Original Color

32.8695, 0.3064, 0.4071

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.1804, 0.3095, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8695, 0.3064, 0.4071 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(118, 167, 121)` looks like.

```
.text, #text, p{  
    color:rgb(118, 167, 121)  
}
```

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(118, 167, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 167, 121) }
```

Border

The CSS property to change the border of an element to Yxy 32.8695, 0.3064, 0.4071 is called "border". The border property can be set on classes, ids or directly on the HTML element.

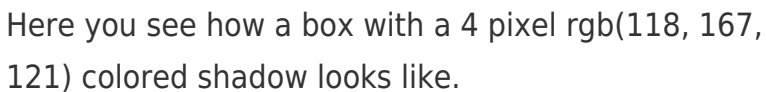
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 167, 121) }
```

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

```
.border{ border-color:rgb(118, 167, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 167, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 167, 121); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 167, 121); box-shadow:4px 4px 4px 4px rgb(118, 167, 121) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8695, 0.3064, 0.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 167, 121) }
```

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

```
.background{ background-color: rgb(118,  
167, 121) }
```

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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