

Converting Colors

Yxy(31.6626, 0.2745, 0.4059)

Have a look what the booklet for
Yxy(31.6626, 0.2745, 0.4059)
contains.

Yxy(31.6576, 0.2741, 0.4052)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.6576, 0.2741, 0.4052)

Conversions

Conversions Part 1

Format	Color
Hex	51A97F
RGB	81, 169, 127
RGB Percent	32%, 66%, 50%
CMY	0.6821, 0.3373, 0.5020
CMYK	0.52, 0.00, 0.25, 0.34
HSL	151°, 35%, 49%
HSV	151°, 52%, 66%
XYZ	21.4150, 31.6576, 25.0558
YIQ	137.9000, -38.9660, -31.7180

Conversions

Conversions Part 2

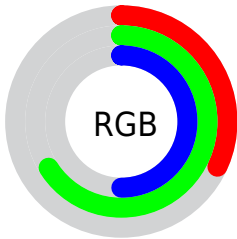
Format	Color
RYB	81, 139, 169
Decimal	5351807
CIELab	63.06, -36.52, 13.75
CIElCh	63, 39.024, 159.370
Yxy	31.6576, 0.2741, 0.4052
Android (android.graphics.Color)	4283541887 (0xFF51A97F)
YUV	137.9000, -5.3737, -49.9013
Hunter-Lab	56.2651, -30.5253, 12.9828

Details

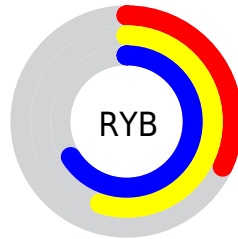
The Yxy color **31.6576, 0.2741, 0.4052** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.7601, 0.3863, 0.2660**, and the grayscale version is **25.4131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3800, 0.2823, 0.3886**, and **13.1694, 0.2591, 0.4336** is the 20% darker color. If you saturate the color by 10%, you get **30.8001, 0.2698, 0.4232**, and if you desaturate by 10%, it is **32.7203, 0.2798, 0.3880**.

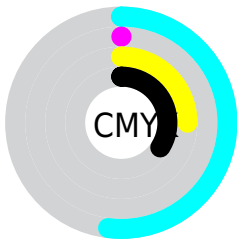
Distribution



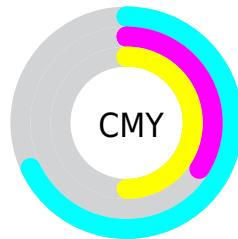
- Red (32%)
- Green (66%)
- Blue (50%)



- Red (32%)
- Yellow (55%)
- Blue (66%)



- Cyan (52%)
- Magenta (0%)
- Yellow (25%)
- Black (34%)



- Cyan (68%)
- Magenta (34%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.6576, 0.2741, 0.4052 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 31.6576, 0.2741, 0.4052 by changing the saturation by 10% instead.


 31.6576, 0.2741,
0.4052


 31.6576, 0.2741,
0.4052


309.5565, 0.2955,
0.3628


 21.1001, 0.2679,
0.4175


 62.2739, 0.2825,
0.3886

 13.1972, 0.2595,
0.4344


 83.1015, 0.2854,
0.3827


 7.5645, 0.2471,
0.4592


 108.1213, 0.2878,
0.3779

 3.8176, 0.2276,
0.4987

 137.7177, 0.2899,
0.3739

 1.5720, 0.1809,
0.5893

 172.2750, 0.2916,
0.3705

 0.3386, 0.0000,
1.0000

212.1776, 0.2931,

 0.0000, 0.0000,

0.3676

0.0000

257.8100, 0.2944,
0.3650

■ 31.6576, 0.2741,
0.4052

■ 31.6576, 0.2741,
0.4052

■ 30.8001, 0.2698,
0.4232

■ 32.7203, 0.2798,
0.3880

■ 30.1297, 0.2673,
0.4417

■ 33.9974, 0.2867,
0.3719

■ 29.6310, 0.2667,
0.4602

■ 35.5021, 0.2943,
0.3570

■ 29.2847, 0.2680,
0.4782

■ 37.2454, 0.3025,
0.3435

■ 29.0839, 0.2700,
0.4921

■ 39.2374, 0.3110,
0.3313

■ 41.4878, 0.3195,
0.3205

■ 44.0058, 0.3280,
0.3109

■ 46.8000, 0.3363,
0.3024

■ 49.8786, 0.3444,
0.2950

Harmonies

Analogous

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



31.6576, 0.3336, 0.4401



31.6576, 0.2741, 0.4052



31.6576, 0.2278, 0.3435

Triad

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



31.6576, 0.2741, 0.4052



31.6576, 0.2336, 0.2325



31.6576, 0.4343, 0.3543

Complementary

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



31.6576, 0.2741, 0.4052



15.7601, 0.3863, 0.2660

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.



31.6576, 0.4027, 0.3073



31.6576, 0.2741, 0.4052



31.6576, 0.2822, 0.2406

Square

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



31.6576, 0.2741, 0.4052



31.6576, 0.2069, 0.2463



31.6576, 0.3447, 0.2672



31.6576, 0.4285, 0.4004

Rectangle

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



31.6576, 0.2741, 0.4052



31.6576, 0.2096, 0.3023



31.6576, 0.3447, 0.2672



31.6576, 0.4277, 0.3383

Sweetspot

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



31.6589, 0.2741, 0.4052



65.3261, 0.2990, 0.3491



33.2225, 0.3413, 0.4740



14.1055, 0.2974, 0.3517



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.



31.6589, 0.2741, 0.4052



55.0186, 0.2695, 0.4252



32.4491, 0.2462, 0.3263



8.4707, 0.3048, 0.3400



21.6877, 0.2695, 0.4903



0.5379, 0.2532, 0.4314

Inverse Universe

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



15.7601, 0.3863, 0.2660



23.4916, 0.4109, 0.2555



15.1437, 0.4578, 0.3316



7.5998, 0.3214, 0.3183



6.7371, 0.5015, 0.2537



0.1743, 0.4272, 0.2127

Previews

White Background



This preview shows how the Yxy color 31.6576, 0.2741, 0.4052 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 31.6576, 0.2741, 0.4052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

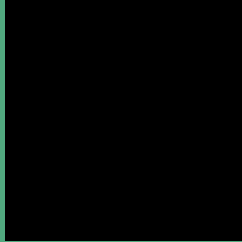
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.6576, 0.2741, 0.4052

Background



This preview shows how black text looks on a background with the Yxy color 31.6576, 0.2741, 0.4052.



This preview shows how white text looks on a background with the Yxy color 31.6576, 0.2741, 0.4052.

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

31.6576, 0.2741, 0.4052

Protanopia

31.1465, 0.3557, 0.3782

Deuteranopia

31.1079, 0.3561, 0.3497



Tritanopia

31.7619, 0.2484, 0.3076

Trichromacy



Original Color

31.6576, 0.2741, 0.4052

Protanomaly

30.8454, 0.3205, 0.3890

Deuteranomaly

30.2984, 0.3209, 0.3683

Tritanomaly

31.5525, 0.2575, 0.3408

Monochromacy



Original Color

31.6576, 0.2741, 0.4052

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.9980, 0.2947, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6576, 0.2741, 0.4052 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(81, 169, 127)` looks like.

```
.text, #text, p{  
    color:rgb(81, 169, 127)  
}
```

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(81, 169, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 169, 127) }
```

Border

The CSS property to change the border of an element to Yxy 31.6576, 0.2741, 0.4052 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(81, 169, 127) }
```

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

```
.border{ border-color:rgb(81, 169, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 169, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 169, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 169, 127);  
box-shadow:4px 4px 4px 4px rgb(81, 169,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6576, 0.2741, 0.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 169, 127) }
```

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

```
.background{ background-color: rgb(81, 169,  
127) }
```

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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