

Converting Colors

$Yxy(19.4423, 0.3663, 0.4936)$

Have a look what the booklet for
Yxy(19.4423, 0.3663, 0.4936)
contains.

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Color

Yxy(19.4253, 0.3667, 0.4941)

Conversions

Conversions Part 1

Format	Color
Hex	69832D
RGB	105, 131, 45
RGB Percent	41%, 51%, 18%
CMY	0.5882, 0.4863, 0.8235
CMYK	0.20, 0.00, 0.66, 0.49
HSL	78°, 49%, 35%
HSV	78°, 66%, 51%
XYZ	14.4166, 19.4253, 5.4726
YIQ	113.4220, 12.1100, -32.2580

Conversions

Conversions Part 2

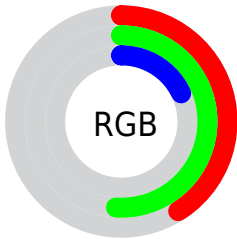
Format	Color
RYB	45, 131, 71
Decimal	6914861
CIELab	51.18, -22.92, 42.02
CIELCh	51, 47.866, 118.612
Yxy	19.4253, 0.3667, 0.4941
Android (android.graphics.Color)	4285104941 (0xFF69832D)
YUV	113.4220, -33.7320, -7.3861
Hunter-Lab	44.0741, -18.7425, 23.4900

Details

The Yxy color **19.4253, 0.3667, 0.4941** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.8554, 0.2213, 0.1407**, and the grayscale version is **16.7464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3763, 0.3584, 0.4560**, and **6.6691, 0.3663, 0.5473** is the 20% darker color. If you saturate the color by 10%, you get **19.1062, 0.3698, 0.5139**, and if you desaturate by 10%, it is **19.7886, 0.3615, 0.4710**.

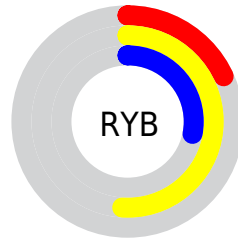
Distribution



Red (41%)

Green (51%)

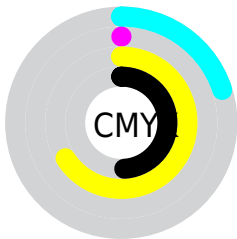
Blue (18%)



Red (18%)

Yellow (51%)

Blue (28%)

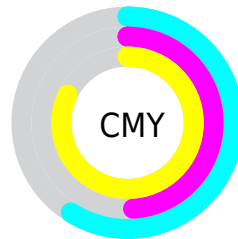


Cyan (20%)

Magenta (0%)

Yellow (66%)

Black (49%)



Cyan (59%)

Magenta (49%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.4253, 0.3667, 0.4941 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 19.4253, 0.3667, 0.4941 by changing the saturation by 10% instead.

■ 19.4253, 0.3667,
0.4941

■ 19.4253, 0.3667,
0.4941

■ 248.7867, 0.3410,
0.3978

■ 11.9780, 0.3704,
0.5222

■ 42.4515, 0.3587,
0.4558

■ 6.7287, 0.3718,
0.5599

■ 58.7992, 0.3551,
0.4423

■ 3.2930, 0.3743,
0.6257

■ 78.8825, 0.3520,
0.4314

■ 1.2866, 0.3241,
0.6759

■ 103.0858, 0.3492,
0.4223

■ 0.1308, 0.0000,
1.0000

■ 131.7935, 0.3468,
0.4147

■ 0.0000, 0.0000,
0.0000

■ 165.3899, 0.3446,

0.4082

204.2595, 0.3427,
0.4026

■ 19.4253, 0.3667,
0.4941

■ 19.4253, 0.3667,
0.4941

■ 19.1062, 0.3698,
0.5139

■ 19.7886, 0.3615,
0.4710

■ 18.8256, 0.3706,
0.5296

■ 20.1963, 0.3545,
0.4458

■ 18.5794, 0.3691,
0.5411

■ 20.6518, 0.3463,
0.4194

■ 18.4777, 0.3683,
0.5457

■ 21.1574, 0.3372,
0.3929

■ 21.7150, 0.3277,
0.3670

■ 22.3269, 0.3181,
0.3423

■ 22.9947, 0.3086,
0.3191

■ 23.7203, 0.2996,
0.2977

■ 24.5053, 0.2910,
0.2780

Harmonies

Analogous

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



19.4253, 0.4408, 0.4583



19.4253, 0.3667, 0.4941



19.4253, 0.2829, 0.4698

Triad

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



19.4253, 0.3667, 0.4941



19.4253, 0.1641, 0.2262



19.4253, 0.4148, 0.2758

Complementary

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



19.4253, 0.3667, 0.4941



4.8554, 0.2213, 0.1407

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.



19.4253, 0.3234, 0.2290



19.4253, 0.3667, 0.4941



19.4253, 0.1874, 0.1995

Square

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



19.4253, 0.3667, 0.4941



19.4253, 0.1714, 0.2886



19.4253, 0.2413, 0.2020



19.4253, 0.4775, 0.3345

Rectangle

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



19.4253, 0.3667, 0.4941



19.4253, 0.2328, 0.4162



19.4253, 0.2413, 0.2020



19.4253, 0.3855, 0.2585

Sweetspot

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



19.4262, 0.3667, 0.4941



38.3937, 0.3323, 0.3794



9.4965, 0.4782, 0.3761



8.8834, 0.3346, 0.3856



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



19.4262, 0.3667, 0.4941



33.9462, 0.3705, 0.5226



17.4530, 0.3177, 0.5235



5.3543, 0.3214, 0.3508



18.1898, 0.3684, 0.5457



0.0668, 0.3931, 0.5260

Inverse Universe

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



4.8554, 0.2213, 0.1407



5.7531, 0.1973, 0.1032



7.0801, 0.2898, 0.1717



4.6078, 0.3035, 0.3069



2.0504, 0.1730, 0.0727



0.0106, 0.2183, 0.0976

Previews

White Background



This preview shows how the Yxy color 19.4253, 0.3667, 0.4941 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4253, 0.3667, 0.4941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

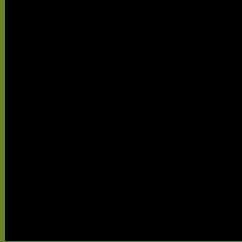
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.4253, 0.3667, 0.4941

Background



This preview shows how black text looks on a background with the Yxy color 19.4253, 0.3667, 0.4941.



This preview shows how white text looks on a background with the Yxy color 19.4253, 0.3667, 0.4941.

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

19.4253, 0.3667, 0.4941

Protanopia

19.3277, 0.4182, 0.4605

Deuteranopia

19.3004, 0.4391, 0.4328



Tritanopia

19.4767, 0.2935, 0.3120

Trichromacy



Original Color

19.4253, 0.3667, 0.4941

Protanomaly

19.2091, 0.3993, 0.4721

Deuteranomaly

18.9565, 0.4125, 0.4545

Tritanomaly

19.2213, 0.3235, 0.3810

Monochromacy



Original Color

19.4253, 0.3667, 0.4941

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.4525, 0.3375, 0.3951

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4253, 0.3667, 0.4941 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(105, 131, 45)` looks like.

```
.text, #text, p{  
    color:rgb(105, 131, 45)  
}
```

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(105, 131, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 131, 45) }
```

Border

The CSS property to change the border of an element to Yxy 19.4253, 0.3667, 0.4941 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(105, 131, 45) }
```

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

```
.border{ border-color:rgb(105, 131, 45) }
```

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

Here you see how a box with a 4 pixel rgb(105, 131, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 131, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 131, 45);  
box-shadow:4px 4px 4px 4px rgb(105, 131,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 19.4253, 0.3667, 0.4941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 131, 45) }
```

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

```
.background{ background-color: rgb(105,  
131, 45) }
```

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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