Converting Colors

Yxy(2.7087, 0.3416, 0.4960)

Have a look what the booklet for Yxy(2.7087, 0.3416, 0.4960) contains.

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Color

Yxy(2.7092, 0.3422, 0.4970)

Conversions

Conversions Part 1

Format	Color
Hex	20330F
RGB	32, 51, 15
RGB Percent	13%, 20%, 6%
CMY	0.8746, 0.8000, 0.9412
CMYK	0.37, 0.00, 0.71, 0.80
HSL	92°, 55%, 13%
HSV	92°, 71%, 20%
XYZ	1.8654, 2.7092, 0.8765
YIQ	41.2150, 0.2320, -15.2240

Conversions

Conversions Part 2

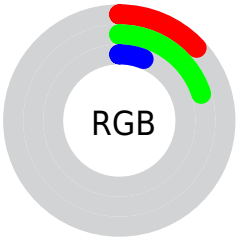
Format	Color
RYB	15, 51, 34
Decimal	2110223
CIELab	18.84, -15.30, 19.94
CIELCh	19, 25.138, 127.495
Yxy	2.7092, 0.3422, 0.4970
Android (android.graphics.Color)	4280300303 (0xFF20330F)
YUV	41.2150, -12.9240, -8.0816
Hunter-Lab	16.4596, -8.5750, 8.3643

Details

The Yxy color 2.7092, 0.3422, 0.4970 is a dark color, and the websafe version is hex 333300. A complement of this color would be 0.9211, 0.2558, 0.1649, and the grayscale version is 2.2502, 0.3127, 0.3290.

A 20% lighter version of the original color is 10.6606, 0.3369, 0.4341, and 0.0000, 0.0000, 0.0000 is the 20% darker color. If you saturate the color by 10%, you get 2.6552, 0.3429, 0.5193, and if you desaturate by 10%, it is 2.7706, 0.3402, 0.4728.

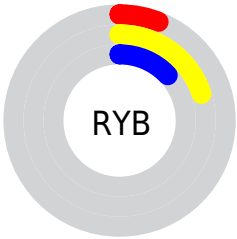
Distribution



Red (13%)

Green (20%)

Blue (6%)



Red (6%)

Yellow (20%)

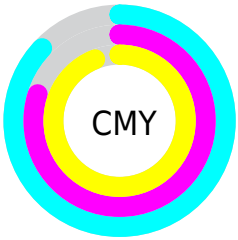
Blue (13%)

Cyan (37%)

Magenta (0%)

Yellow (71%)

Black (80%)



Cyan (87%)

Magenta (80%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 2.7092, 0.3422, 0.4970 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 2.7092, 0.3422, 0.4970 by changing the saturation by 10% instead.

2.7092, 0.3422, 0.4970

2.7092, 0.3422, 0.4970

124.6470, 0.3246, 0.3724

0.9819, 0.3618, 0.6382

10.5659, 0.3363, 0.4324

0.0000, 0.0000, 0.0000

17.4640, 0.3336, 0.4155

26.8546, 0.3313, 0.4033

39.1219, 0.3295, 0.3941

54.6504, 0.3280, 0.3869

73.8245, 0.3267,

0.3811

97.0286, 0.3256, 0.3764

2.7092, 0.3422, 0.4970

2.6552, 0.3429, 0.5193

2.6061, 0.3433, 0.5416

2.5629, 0.3443, 0.5648

2.7092, 0.3422, 0.4970

2.7706, 0.3402, 0.4728

2.8393, 0.3370, 0.4476

2.9158, 0.3330, 0.4222

3.0002, 0.3284, 0.3974

3.0929, 0.3235, 0.3736

3.1942, 0.3183, 0.3511

3.3042, 0.3130, 0.3302

3.4232, 0.3078, 0.3109

3.5514, 0.3028, 0.2932

Harmonies

Analogous

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

2.7092, 0.4267, 0.4797

2.7092, 0.3422, 0.4970

2.7092, 0.2587, 0.4506

Triad

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

2.7092, 0.3422, 0.4970

2.7092, 0.1664, 0.2136

2.7092, 0.4397, 0.2918

Complementary

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

2.7092, 0.3422, 0.4970

0.9211, 0.2558, 0.1649

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.

2.7092, 0.3514, 0.2402

2.7092, 0.3422, 0.4970

2.7092, 0.1989, 0.1961

Square

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

2.7092, 0.3422, 0.4970

2.7092, 0.1644, 0.2652

2.7092, 0.2625, 0.2064

2.7092, 0.4878, 0.3531

Rectangle

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

2.7092, 0.3422, 0.4970

2.7092, 0.2128, 0.3877

2.7092, 0.2625, 0.2064

2.7092, 0.4128, 0.2731

Sweetspot

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

2.7093, 0.3422, 0.4970

5.1111, 0.3242, 0.3771

1.8598, 0.4397, 0.4063

1.4236, 0.3244, 0.3778

35.4692, 0.3127, 0.3290

1.5325, 0.3127, 0.3290

Same Dimension

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

2.7093, 0.3422, 0.4970

4.3381, 0.3423, 0.5368

2.5058, 0.3029, 0.5158

0.9746, 0.3170, 0.3460

7.6809, 0.3378, 0.5700

52.3365, 0.3321, 0.5745

Inverse Universe

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

0.9211, 0.2558, 0.1649

1.0582, 0.2360, 0.1271

1.2794, 0.3214, 0.1939

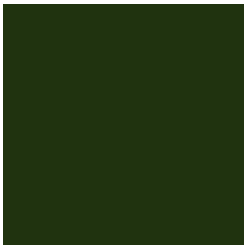
0.8810, 0.3082, 0.3120

1.3333, 0.2148, 0.0957

8.6075, 0.2069, 0.0914

Previews

White Background

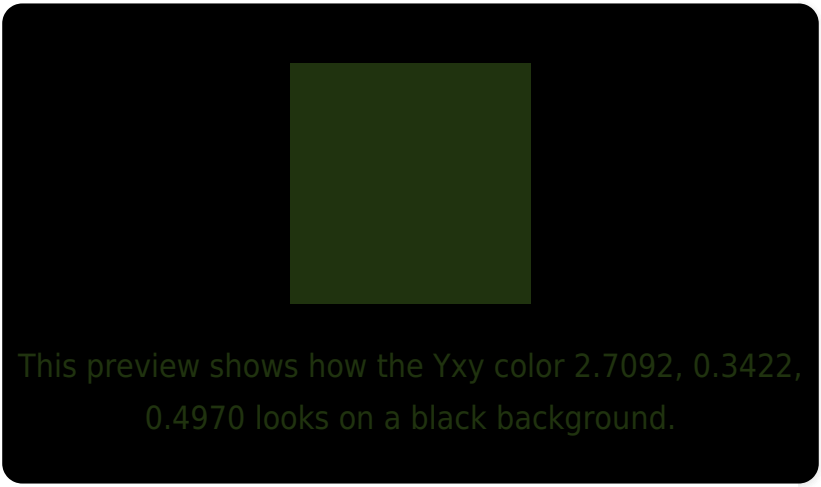


This preview shows how the Yxy color 2.7092, 0.3422, 0.4970 looks on a white background.

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

Black Background

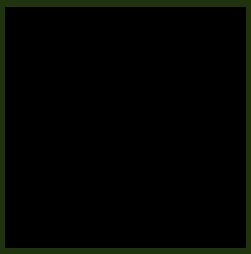


Color Contrast Check

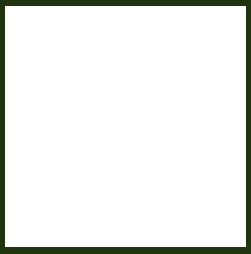
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Yxy 2.7092, 0.3422, 0.4970 Background



This preview shows how black text looks on a background with the Yxy color 2.7092, 0.3422, 0.4970.



This preview shows how white text looks on a background with the Yxy color 2.7092, 0.3422, 0.4970.

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
2.7092, 0.3422, 0.4970

Protanopia
2.6895, 0.4092, 0.4545

Deuteranopia
2.7149, 0.4237, 0.4265

Tritanopia
2.7462, 0.2779, 0.3157

Trichromacy

Original Color
2.7092, 0.3422, 0.4970

Protanomaly
2.6811, 0.3833, 0.4725

Deuteranomaly
2.7019, 0.3916, 0.4528

Tritanomaly
2.6939, 0.3026, 0.3807

Monochromacy

Original Color
2.7092, 0.3422, 0.4970

Achromatopsia
2.2174, 0.3127, 0.3290

Achromatomaly
2.3931, 0.3268, 0.3914

CSS Examples

Text

The CSS property to change the color of the text to Yxy 2.7092, 0.3422, 0.4970 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(32, 51, 15) looks like.

```
.text, #text, p{
    color:rgb(32, 51, 15)
}
```

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(32, 51, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 51, 15) }
```

Border

The CSS property to change the border of an element to Yxy 2.7092, 0.3422, 0.4970 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(32, 51, 15) }
```

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

```
.border{ border-color:rgb(32, 51, 15) }
```

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

Here you see how a box with a 4 pixel rgb(32, 51, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(32, 51, 15); -webkit-box-shadow:4px 4px 4px 4px rgb(32, 51, 15); box-shadow:4px 4px 4px 4px rgb(32, 51, 15) }
```

Background

The CSS property to change the background color of an element to Yxy 2.7092, 0.3422, 0.4970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(32, 51, 15) }
```

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

```
.background{ background-color:rgb(32, 51,
15) }
```

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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