

Converting Colors

$Y_{xy}(22.7916, 0.2962, 0.4819)$

Have a look what the booklet for
Yxy(22.7916, 0.2962, 0.4819)
contains.

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Color

Yxy(22.7916, 0.2962, 0.4819)

Conversions

Conversions Part 1

Format	Color
Hex	40944C
RGB	64, 148, 76
RGB Percent	25%, 58%, 30%
CMY	0.7490, 0.4196, 0.7020
CMYK	0.57, 0.00, 0.49, 0.42
HSL	129°, 40%, 42%
HSV	129°, 57%, 58%
XYZ	14.0089, 22.7916, 10.4948
YIQ	114.6760, -26.9520, -40.2000

Conversions

Conversions Part 2

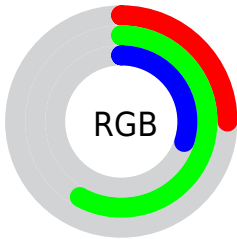
Format	Color
R _{YB}	64, 138, 148
Decimal	4232268
CIE Lab	54.86, -41.30, 30.47
CIE LCh	55, 51.325, 143.586
Yxy	22.7916, 0.2962, 0.4819
Android (android.graphics.Color)	4282422348 (0xFF40944C)
YUV	114.6760, -19.0673, -44.4429
Hunter-Lab	47.7405, -31.1674, 20.3846

Details

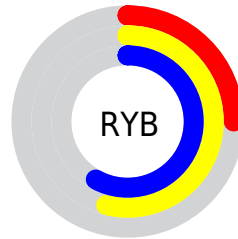
The Yxy color **22.7916, 0.2962, 0.4819** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.7430, 0.3373, 0.2142**, and the grayscale version is **17.1070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1402, 0.3026, 0.4450**, and **8.4545, 0.2856, 0.5482** is the 20% darker color. If you saturate the color by 10%, you get **22.2010, 0.2948, 0.5124**, and if you desaturate by 10%, it is **23.5506, 0.2984, 0.4508**.

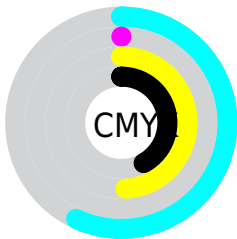
Distribution



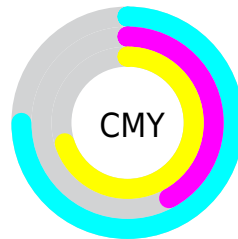
- Red (25%)
- Green (58%)
- Blue (30%)



- Red (25%)
- Yellow (54%)
- Blue (58%)



- Cyan (57%)
- Magenta (0%)
- Yellow (49%)
- Black (42%)





- Cyan (75%)
- Magenta (42%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7916, 0.2962, 0.4819 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 22.7916, 0.2962, 0.4819 by changing the saturation by 10% instead.


 22.7916, 0.2962,
0.4819


 22.7916, 0.2962,
0.4819


266.6528, 0.3090,
0.3909


 14.4397, 0.2904,
0.5108


 48.0509, 0.3025,
0.4446


 8.4271, 0.2806,
0.5523

 65.7271, 0.3043,
0.4319

 4.3694, 0.2624,
0.6156

 87.2802, 0.3056,
0.4217

 1.8823, 0.2277,
0.7723

 113.0946, 0.3066,
0.4133

 0.5377, 0.0000,
1.0000

 143.5546, 0.3074,
0.4063

 0.0000, 0.0000,
0.0000

179.0447, 0.3080,

0.4004

219.9493, 0.3086,
0.3953

■ 22.7916, 0.2962,
0.4819

■ 22.7916, 0.2962,
0.4819

■ 22.2010, 0.2948,
0.5124

■ 23.5506, 0.2984,
0.4508

■ 21.7632, 0.2943,
0.5403

■ 24.4866, 0.3011,
0.4205

■ 21.4646, 0.2948,
0.5639

■ 25.6109, 0.3042,
0.3921

■ 21.2827, 0.2960,
0.5818

■ 26.9331, 0.3074,
0.3663

■ 21.2350, 0.2962,
0.5865

■ 28.4620, 0.3106,
0.3431

■ 30.2061, 0.3137,
0.3226

■ 32.1733, 0.3167,
0.3048

■ 34.3711, 0.3195,
0.2892

■ 36.8066, 0.3221,
0.2758

Harmonies

Analogous

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



22.7916, 0.3810, 0.4939



22.7916, 0.2962, 0.4819



22.7916, 0.2205, 0.4013

Triad

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



22.7916, 0.2962, 0.4819



22.7916, 0.1796, 0.2000



22.7916, 0.4731, 0.3239

Complementary

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



22.7916, 0.2962, 0.4819



11.7430, 0.3373, 0.2142

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.



22.7916, 0.4018, 0.2660



22.7916, 0.2962, 0.4819



22.7916, 0.2289, 0.1981

Square

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



22.7916, 0.2962, 0.4819



22.7916, 0.1612, 0.2324



22.7916, 0.3081, 0.2215



22.7916, 0.4900, 0.3876

Rectangle

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



22.7916, 0.2962, 0.4819



22.7916, 0.1855, 0.3333



22.7916, 0.3081, 0.2215



22.7916, 0.4543, 0.3036

Sweetspot

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



22.7925, 0.2962, 0.4819



47.3725, 0.3072, 0.3677



26.8527, 0.3789, 0.4667



10.7138, 0.3066, 0.3722



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



22.7925, 0.2962, 0.4819



38.9444, 0.2945, 0.5200



23.5602, 0.2651, 0.3921



6.4811, 0.3098, 0.3485



18.1402, 0.2960, 0.5857



0.2246, 0.2811, 0.5321

Inverse Universe

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



11.7430, 0.3373, 0.2142



17.4739, 0.3440, 0.1955



10.7873, 0.4139, 0.2773



5.8951, 0.3158, 0.3102



6.6876, 0.3595, 0.1754



0.0850, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 22.7916, 0.2962, 0.4819 looks on a white background.

Color Contrast Check

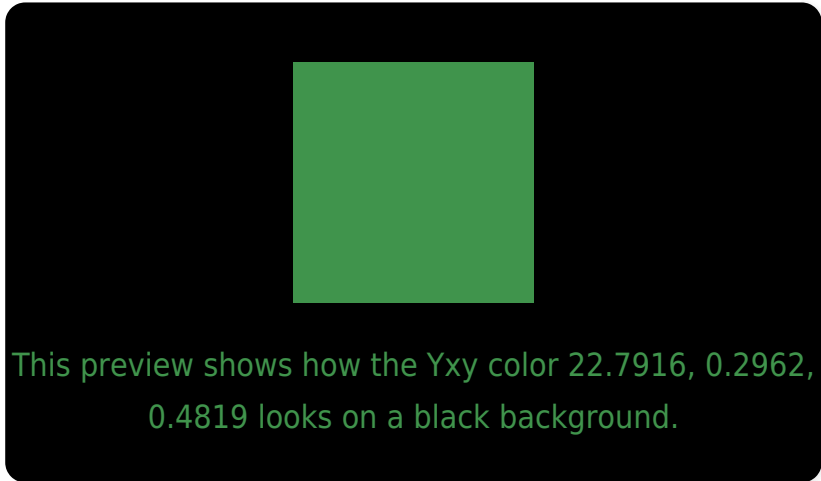
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

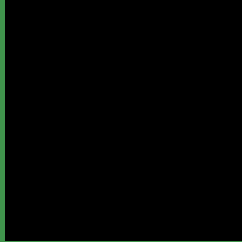
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7916, 0.2962, 0.4819

Background



This preview shows how black text looks on a background with the Yxy color 22.7916, 0.2962, 0.4819.



This preview shows how white text looks on a background with the Yxy color 22.7916, 0.2962, 0.4819.

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

22.7916, 0.2962, 0.4819

Protanopia

22.6041, 0.3955, 0.4314

Deuteranopia

22.5455, 0.4054, 0.3981



Tritanopia

22.8295, 0.2502, 0.3082

Trichromacy



Original Color

22.7916, 0.2962, 0.4819

Protanomaly

22.0040, 0.3532, 0.4522

Deuteranomaly

21.6393, 0.3587, 0.4277

Tritanomaly

22.6367, 0.2667, 0.3672

Monochromacy



Original Color

22.7916, 0.2962, 0.4819

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.6051, 0.3044, 0.3837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7916, 0.2962, 0.4819 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(64, 148, 76)` looks like.

```
.text, #text, p{  
    color:rgb(64, 148, 76)  
}
```

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(64, 148, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 148, 76) }
```

Border

The CSS property to change the border of an element to Yxy 22.7916, 0.2962, 0.4819 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(64, 148, 76) }
```

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

```
.border{ border-color:rgb(64, 148, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 148, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 148, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 148, 76);  
box-shadow:4px 4px 4px 4px rgb(64, 148,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7916, 0.2962, 0.4819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 148, 76) }
```

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

```
.background{ background-color: rgb(64, 148,  
76) }
```

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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