

Converting Colors

$Y_{xy}(22.7660, 0.2783, 0.4192)$

Have a look what the booklet for
Yxy(22.7660, 0.2783, 0.4192)
contains.

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Color

$\text{Yxy}(22.7660, 0.2783, 0.4192)$

Conversions

Conversions Part 1

Format	Color
Hex	449267
RGB	68, 146, 103
RGB Percent	27%, 57%, 40%
CMY	0.7331, 0.4275, 0.5961
CMYK	0.53, 0.00, 0.29, 0.43
HSL	147°, 36%, 42%
HSV	147°, 53%, 57%
XYZ	15.1140, 22.7660, 16.4282
YIQ	117.7760, -32.6850, -29.9090

Conversions

Conversions Part 2

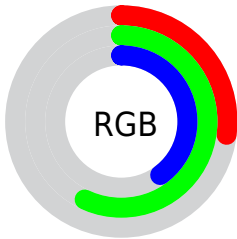
Format	Color
R _{YB}	68, 122, 146
Decimal	4493927
CIE _{Lab}	54.83, -34.42, 15.65
CIE _{LCh}	55, 37.810, 155.552
Y _{xy}	22.7660, 0.2783, 0.4192
Android (android.graphics.Color)	4282684007 (0xFF449267)
Y _{UV}	117.7760, -7.2846, -43.6536
Hunter-Lab	47.7137, -26.9567, 12.9856

Details

The Yxy color **22.7660, 0.2783, 0.4192** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.4017, 0.3769, 0.2558**, and the grayscale version is **18.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2440, 0.2871, 0.3986**, and **8.4828, 0.2620, 0.4601** is the 20% darker color. If you saturate the color by 10%, you get **22.1512, 0.2748, 0.4400**, and if you desaturate by 10%, it is **23.5291, 0.2832, 0.3993**.

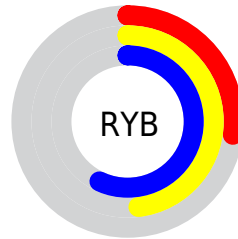
Distribution



Red (27%)

Green (57%)

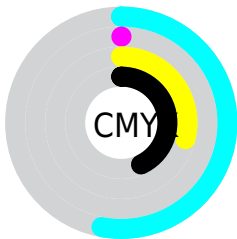
Blue (40%)



Red (27%)

Yellow (48%)

Blue (57%)

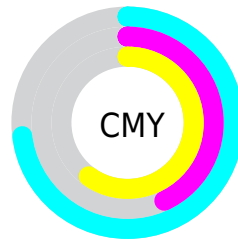


Cyan (53%)

Magenta (0%)

Yellow (29%)

Black (43%)



Cyan (73%)

Magenta (43%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7660, 0.2783, 0.4192 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 22.7660, 0.2783, 0.4192 by changing the saturation by 10% instead.


 22.7660, 0.2783,
0.4192


 22.7660, 0.2783,
0.4192


266.5208, 0.2988,
0.3662


 14.4208, 0.2717,
0.4360


 48.0088, 0.2867,
0.3976


 8.4139, 0.2620,
0.4603


 65.6752, 0.2896,
0.3902


 4.3609, 0.2465,
0.4983

 87.2175, 0.2919,
0.3843

 1.8774, 0.2188,
0.5704

 113.0201, 0.2937,
0.3794

 0.5348, 0.0000,
1.0000

 143.4673, 0.2953,
0.3753

 0.0000, 0.0000,
0.0000

178.9436, 0.2966,

0.3718

219.8333, 0.2978,
0.3688

■ 22.7660, 0.2783,
0.4192

■ 22.7660, 0.2783,
0.4192

■ 22.1512, 0.2748,
0.4400

■ 23.5291, 0.2832,
0.3993

■ 21.6714, 0.2729,
0.4611

■ 24.4468, 0.2891,
0.3805

■ 21.3160, 0.2728,
0.4820

■ 25.5288, 0.2957,
0.3632

■ 21.0709, 0.2746,
0.5019

■ 26.7827, 0.3029,
0.3475

■ 20.9433, 0.2763,
0.5145

■ 28.2161, 0.3102,
0.3334

■ 29.8357, 0.3176,
0.3208

■ 31.6482, 0.3249,
0.3097

■ 33.6598, 0.3321,
0.2999

■ 35.8763, 0.3389,
0.2913

Harmonies

Analogous

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



22.7660, 0.3429, 0.4514



22.7660, 0.2783, 0.4192



22.7660, 0.2263, 0.3533

Triad

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



22.7660, 0.2783, 0.4192



22.7660, 0.2227, 0.2261



22.7660, 0.4420, 0.3487

Complementary

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



22.7660, 0.2783, 0.4192



11.4017, 0.3769, 0.2558

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.



22.7660, 0.4032, 0.2993



22.7660, 0.2783, 0.4192



22.7660, 0.2719, 0.2322

Square

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



22.7660, 0.2783, 0.4192



22.7660, 0.1977, 0.2436



22.7660, 0.3381, 0.2582



22.7660, 0.4404, 0.3988

Rectangle

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



22.7660, 0.2783, 0.4192



22.7660, 0.2048, 0.3075



22.7660, 0.3381, 0.2582



22.7660, 0.4333, 0.3318

Sweetspot

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



22.7669, 0.2783, 0.4192



46.5671, 0.3007, 0.3520



24.4342, 0.3487, 0.4725



10.2690, 0.2994, 0.3548



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.7669, 0.2783, 0.4192



38.8995, 0.2743, 0.4440



23.7049, 0.2496, 0.3389



6.5091, 0.3059, 0.3415



18.4358, 0.2760, 0.5136



0.2314, 0.2533, 0.4318

Inverse Universe

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



11.4017, 0.3769, 0.2558



16.6436, 0.3988, 0.2430



10.7371, 0.4519, 0.3205



5.8657, 0.3201, 0.3169



5.8992, 0.4696, 0.2361



0.0782, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 22.7660, 0.2783, 0.4192 looks on a white background.

Color Contrast Check

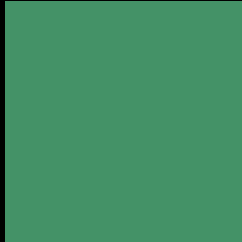
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7660, 0.2783, 0.4192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

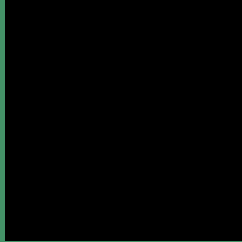
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7660, 0.2783, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 22.7660, 0.2783, 0.4192.



This preview shows how white text looks on a background with the Yxy color 22.7660, 0.2783, 0.4192.

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

22.7660, 0.2783, 0.4192

Protanopia

22.3852, 0.3631, 0.3888

Deuteranopia

22.3293, 0.3653, 0.3577



Tritanopia

22.7399, 0.2488, 0.3081

Trichromacy



Original Color

22.7660, 0.2783, 0.4192

Protanomaly

22.0866, 0.3260, 0.4001

Deuteranomaly

21.8806, 0.3276, 0.3797

Tritanomaly

22.6037, 0.2585, 0.3447

Monochromacy



Original Color

22.7660, 0.2783, 0.4192

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

19.3399, 0.2965, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7660, 0.2783, 0.4192 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(68, 146, 103)` looks like.

```
.text, #text, p{  
    color:rgb(68, 146, 103)  
}
```

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(68, 146, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 146, 103) }
```

Border

The CSS property to change the border of an element to Yxy 22.7660, 0.2783, 0.4192 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(68, 146, 103) }
```

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

```
.border{ border-color:rgb(68, 146, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 146, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 146, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 146, 103);  
box-shadow:4px 4px 4px 4px rgb(68, 146,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7660, 0.2783, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 146, 103) }
```

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

```
.background{ background-color: rgb(68, 146,  
103) }
```

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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