

Converting Colors

$Y_{xy}(22.6981, 0.3263, 0.5249)$

Have a look what the booklet for
Yxy(22.6981, 0.3263, 0.5249)
contains.

Yxy(22.7005, 0.3263, 0.5249)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.7005, 0.3263, 0.5249)

Conversions

Conversions Part 1

Format	Color
Hex	4E9330
RGB	78, 147, 48
RGB Percent	31%, 58%, 19%
CMY	0.6940, 0.4235, 0.8117
CMYK	0.47, 0.00, 0.67, 0.42
HSL	102°, 51%, 38%
HSV	102°, 67%, 58%
XYZ	14.1116, 22.7005, 6.4352
YIQ	115.0830, -9.3450, -45.4170

Conversions

Conversions Part 2

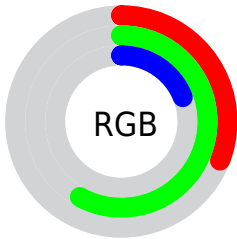
Format	Color
RYB	48, 147, 117
Decimal	5149488
CIELab	54.76, -40.25, 44.10
CIELCh	55, 59.708, 132.389
Yxy	22.7005, 0.3263, 0.5249
Android (android.graphics.Color)	4283339568 (0xFF4E9330)
YUV	115.0830, -33.0719, -32.5218
Hunter-Lab	47.6450, -30.5104, 25.3435

Details

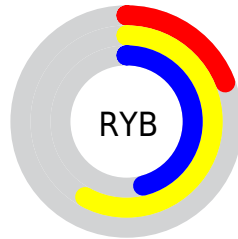
The Yxy color **22.7005, 0.3263, 0.5249** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8.0014, 0.2727, 0.1598**, and the grayscale version is **17.2788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0474, 0.3280, 0.4791**, and **8.4943, 0.3092, 0.5927** is the 20% darker color. If you saturate the color by 10%, you get **22.1999, 0.3243, 0.5503**, and if you desaturate by 10%, it is **23.3107, 0.3269, 0.4956**.

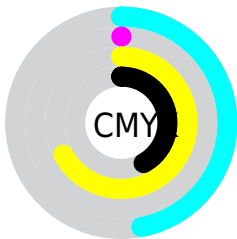
Distribution



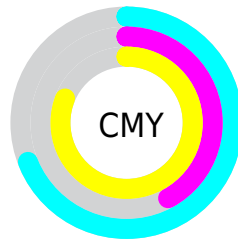
- Red (31%)
- Green (58%)
- Blue (19%)



- Red (19%)
- Yellow (58%)
- Blue (46%)



- Cyan (47%)
- Magenta (0%)
- Yellow (67%)
- Black (42%)





- Cyan (69%)
- Magenta (42%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7005, 0.3263, 0.5249 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 22.7005, 0.3263, 0.5249 by changing the saturation by 10% instead.


 22.7005, 0.3263,
0.5249


 22.7005, 0.3263,
0.5249


266.1830, 0.3253,
0.4096


 14.3725, 0.3223,
0.5594


 47.9011, 0.3284,
0.4786

 8.3802, 0.3131,
0.6063


 65.5425, 0.3283,
0.4625

 4.3392, 0.3034,
0.6966

 87.0571, 0.3280,
0.4494

 1.8651, 0.2343,
0.7657

 112.8294, 0.3275,
0.4386

 0.5272, 0.0000,
1.0000

 143.2437, 0.3269,
0.4296

 0.0000, 0.0000,
0.0000

 178.6845, 0.3264,

0.4219

219.5361, 0.3258,
0.4153

■ 22.7005, 0.3263,
0.5249

■ 22.7005, 0.3263,
0.5249

■ 22.1999, 0.3243,
0.5503

■ 23.3107, 0.3269,
0.4956

■ 21.7987, 0.3209,
0.5703

■ 24.0340, 0.3261,
0.4643

■ 21.4871, 0.3166,
0.5843

■ 24.8774, 0.3243,
0.4327

■ 21.4153, 0.3155,
0.5877

■ 25.8462, 0.3218,
0.4020

■ 26.9458, 0.3187,
0.3732

■ 28.1808, 0.3153,
0.3468

■ 29.5559, 0.3118,
0.3229

■ 31.0754, 0.3083,
0.3015

■ 32.7435, 0.3049,
0.2826

Harmonies

Analogous

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



22.7005, 0.4198, 0.5024



22.7005, 0.3263, 0.5249



22.7005, 0.2341, 0.4577

Triad

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



22.7005, 0.3263, 0.5249



22.7005, 0.1515, 0.1914



22.7005, 0.4743, 0.2952

Complementary

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



22.7005, 0.3263, 0.5249



8.0014, 0.2727, 0.1598

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.



22.7005, 0.3749, 0.2361



22.7005, 0.3263, 0.5249



22.7005, 0.1923, 0.1789

Square

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



22.7005, 0.3263, 0.5249



22.7005, 0.1431, 0.2406



22.7005, 0.2689, 0.1951



22.7005, 0.5177, 0.3633

Rectangle

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



22.7005, 0.3263, 0.5249



22.7005, 0.1866, 0.3771



22.7005, 0.2689, 0.1951



22.7005, 0.4453, 0.2741

Sweetspot

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



22.7015, 0.3263, 0.5249



47.6275, 0.3197, 0.3819



18.8271, 0.4361, 0.4374



10.7566, 0.3205, 0.3892



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.



22.7015, 0.3263, 0.5249



39.3542, 0.3227, 0.5617



21.8905, 0.2921, 0.5059



6.5487, 0.3159, 0.3515



18.5784, 0.3159, 0.5874



0.2414, 0.3479, 0.5620

Inverse Universe

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



8.0014, 0.2727, 0.1598



11.0075, 0.2603, 0.1325



9.8987, 0.3502, 0.2034



5.8218, 0.3092, 0.3069



4.3093, 0.2472, 0.1135



0.0682, 0.2832, 0.1334

Previews

White Background



This preview shows how the Yxy color 22.7005, 0.3263, 0.5249 looks on a white background.

Color Contrast Check

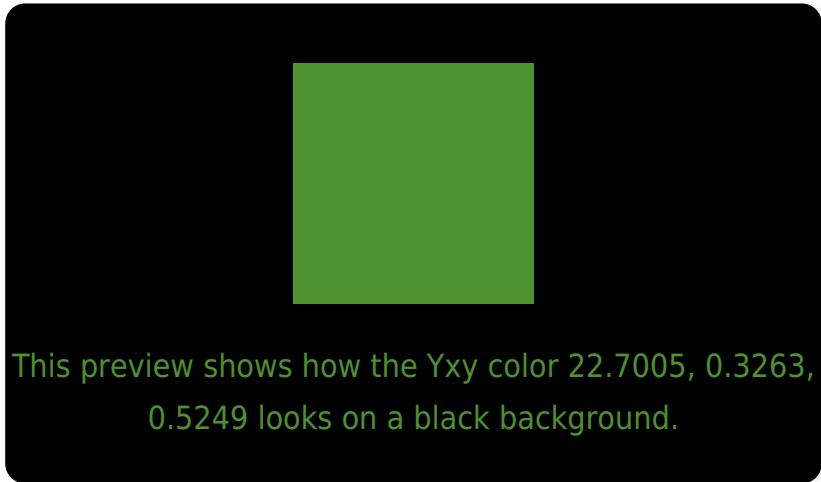
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7005, 0.3263, 0.5249

Background



This preview shows how black text looks on a background with the Yxy color 22.7005, 0.3263, 0.5249.



This preview shows how white text looks on a background with the Yxy color 22.7005, 0.3263, 0.5249.

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

22.7005, 0.3263, 0.5249

Protanopia

22.5254, 0.4202, 0.4634

Deuteranopia

22.3822, 0.4384, 0.4299



Tritanopia

22.4623, 0.2610, 0.3084

Trichromacy



Original Color

22.7005, 0.3263, 0.5249

Protanomaly

22.1457, 0.3820, 0.4889

Deuteranomaly

21.5849, 0.3933, 0.4651

Tritanomaly

22.3435, 0.2873, 0.3874

Monochromacy



Original Color

22.7005, 0.3263, 0.5249

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

18.7589, 0.3220, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7005, 0.3263, 0.5249 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(78, 147, 48)` looks like.

```
.text, #text, p{  
    color:rgb(78, 147, 48)  
}
```

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(78, 147, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 147, 48) }
```

Border

The CSS property to change the border of an element to Yxy 22.7005, 0.3263, 0.5249 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(78, 147, 48) }
```

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

```
.border{ border-color:rgb(78, 147, 48) }
```

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

Here you see how a box with a 4 pixel rgb(78, 147, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 147, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 147, 48);  
box-shadow:4px 4px 4px 4px rgb(78, 147,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7005, 0.3263, 0.5249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 147, 48) }
```

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

```
.background{ background-color: rgb(78, 147,  
48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor