

Converting Colors

$Y_{xy}(22.7161, 0.4544, 0.4559)$

Have a look what the booklet for
Yxy(22.7161, 0.4544, 0.4559)
contains.

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Color

$Y_{xy}(22.7020, 0.4540, 0.4559)$

Conversions

Conversions Part 1

Format	Color
Hex	A27E1F
RGB	162, 126, 31
RGB Percent	64%, 49%, 12%
CMY	0.3647, 0.5059, 0.8784
CMYK	0.00, 0.22, 0.81, 0.36
HSL	44°, 68%, 38%
HSV	44°, 81%, 64%
XYZ	22.6074, 22.7020, 4.4866
YIQ	125.9340, 51.9510, -21.9130

Conversions

Conversions Part 2

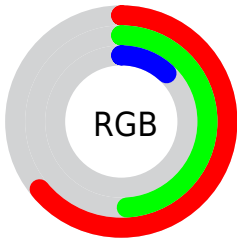
Format	Color
R_{YB}	81, 162, 31
Decimal	10649119
CIE Lab	54.76, 4.78, 52.93
CIE LCh	55, 53.143, 84.842
Yxy	22.7020, 0.4540, 0.4559
Android (android.graphics.Color)	4288839199 (0xFFA27E1F)
YUV	125.9340, -46.8025, 31.6299
Hunter-Lab	47.6466, 1.3132, 27.7696

Details

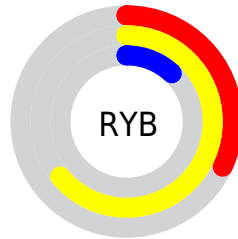
The Yxy color **22.7020, 0.4540, 0.4559** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.9125, 0.1781, 0.1354**, and the grayscale version is **20.9899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.6965, 0.4282, 0.4342**, and **8.3719, 0.4742, 0.4617** is the 20% darker color. If you saturate the color by 10%, you get **21.5251, 0.4671, 0.4594**, and if you desaturate by 10%, it is **23.9747, 0.4382, 0.4478**.

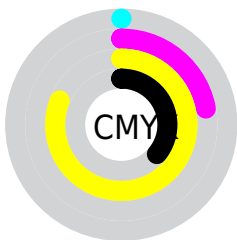
Distribution



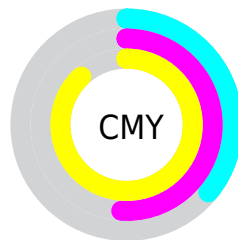
- Red (64%)
- Green (49%)
- Blue (12%)



- Red (32%)
- Yellow (64%)
- Blue (12%)



- Cyan (0%)
- Magenta (22%)
- Yellow (81%)
- Black (36%)





- Cyan (36%)
- Magenta (51%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7020, 0.4540, 0.4559 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 22.7020, 0.4540, 0.4559 by changing the saturation by 10% instead.


 22.7020, 0.4540,
0.4559


 22.7020, 0.4540,
0.4559


266.1907, 0.3810,
0.3926


 14.3736, 0.4699,
0.4683


 47.9035, 0.4283,
0.4345


 8.3810, 0.4893,
0.4825


 65.5455, 0.4183,
0.4258


 4.3397, 0.5074,
0.4926

 87.0608, 0.4097,
0.4183

 1.8653, 0.5138,
0.4862

 112.8338, 0.4022,
0.4118

 0.5274, 0.5395,
0.4605

 143.2489, 0.3958,
0.4060

 0.0000, 0.0000,
0.0000

 178.6904, 0.3902,

0.4010

219.5429, 0.3853,
0.3966

22.7020, 0.4540,
0.4559

22.7020, 0.4540,
0.4559

21.5251, 0.4671,
0.4594

23.9747, 0.4382,
0.4478

20.5178, 0.4772,
0.4593

25.3462, 0.4205,
0.4357

26.8229, 0.4016,
0.4206

28.4099, 0.3825,
0.4033

30.1114, 0.3638,
0.3850

■ 31.9315, 0.3460,
0.3664

■ 33.8741, 0.3293,
0.3481

■ 35.9427, 0.3140,
0.3305

■ 38.1407, 0.3000,
0.3138

Harmonies

Analogous

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



22.7020, 0.4952, 0.3911



22.7020, 0.4540, 0.4559



22.7020, 0.3788, 0.5006

Triad

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



22.7020, 0.4540, 0.4559



22.7020, 0.1683, 0.2968



22.7020, 0.3116, 0.2199

Complementary

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



22.7020, 0.4540, 0.4559



6.9125, 0.1781, 0.1354

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.



22.7020, 0.2289, 0.1948



22.7020, 0.4540, 0.4559



22.7020, 0.1570, 0.2269

Square

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



22.7020, 0.4540, 0.4559



22.7020, 0.2144, 0.3996



22.7020, 0.1772, 0.1955



22.7020, 0.4088, 0.2661

Rectangle

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



22.7020, 0.4540, 0.4559



22.7020, 0.3206, 0.4998



22.7020, 0.1772, 0.1955



22.7020, 0.2811, 0.2089

Sweetspot

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



22.7031, 0.4540, 0.4559



56.7622, 0.3523, 0.3731



9.0795, 0.5154, 0.2847



12.4963, 0.3584, 0.3794



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.7031, 0.4540, 0.4559



37.4852, 0.4755, 0.4588



30.9734, 0.3824, 0.5164



7.9067, 0.3268, 0.3452



16.2405, 0.4766, 0.4598



0.4136, 0.4519, 0.4794

Inverse Universe

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



6.9125, 0.1781, 0.1354



8.3041, 0.1611, 0.0978



4.5300, 0.1843, 0.0945



7.1620, 0.2987, 0.3122



3.5680, 0.1603, 0.0970



0.1496, 0.1797, 0.1668

Previews

White Background



This preview shows how the Yxy color 22.7020, 0.4540, 0.4559 looks on a white background.

Color Contrast Check

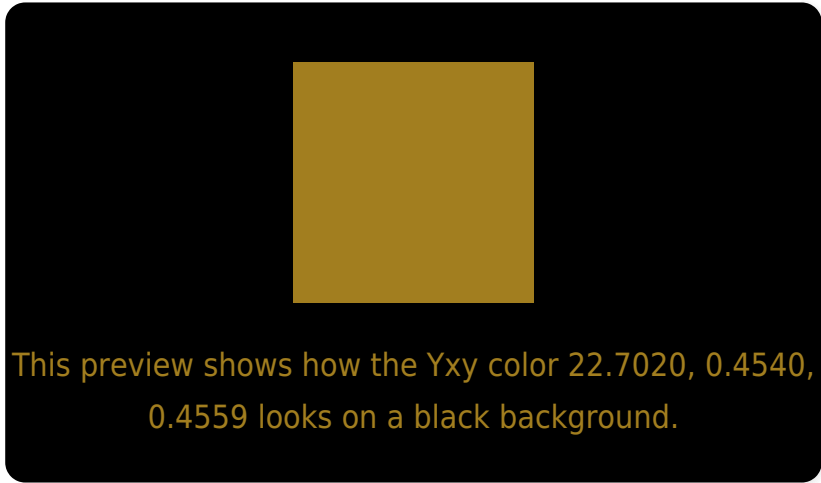
Large Text (above 18pt) WCAG AA ✓ Pass

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

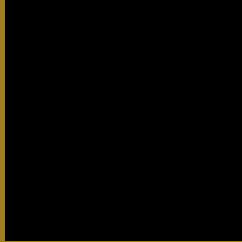
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7020, 0.4540, 0.4559

Background



This preview shows how black text looks on a background with the Yxy color 22.7020, 0.4540, 0.4559.



This preview shows how white text looks on a background with the Yxy color 22.7020, 0.4540, 0.4559.

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

22.7020, 0.4540, 0.4559

Protanopia

22.9027, 0.4289, 0.4740

Deuteranopia

22.7708, 0.4583, 0.4516



Tritanopia

22.5538, 0.3673, 0.3153

Trichromacy



Original Color

22.7020, 0.4540, 0.4559

Protanomaly

22.8419, 0.4375, 0.4674

Deuteranomaly

22.6640, 0.4571, 0.4524

Tritanomaly

22.2953, 0.4086, 0.3744

Monochromacy



Original Color

22.7020, 0.4540, 0.4559

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.1660, 0.3697, 0.3913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7020, 0.4540, 0.4559 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(162, 126, 31)` looks like.

```
.text, #text, p{  
    color:rgb(162, 126, 31)  
}
```

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(162, 126, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 126, 31) }
```

Border

The CSS property to change the border of an element to Yxy 22.7020, 0.4540, 0.4559 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(162, 126, 31) }
```

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

```
.border{ border-color:rgb(162, 126, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 126, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 126, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 126, 31);  
box-shadow:4px 4px 4px 4px rgb(162, 126,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7020, 0.4540, 0.4559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 126, 31) }
```

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

```
.background{ background-color: rgb(162,  
126, 31) }
```

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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