

Converting Colors

$Y_{xy}(22.7697, 0.3313, 0.4570)$

Have a look what the booklet for
Yxy(22.7697, 0.3313, 0.4570)
contains.

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Color

Yxy(22.7066, 0.3316, 0.4566)

Conversions

Conversions Part 1

Format	Color
Hex	668E4D
RGB	102, 142, 77
RGB Percent	40%, 56%, 30%
CMY	0.6001, 0.4431, 0.6981
CMYK	0.28, 0.00, 0.46, 0.44
HSL	97°, 30%, 43%
HSV	97°, 46%, 56%
XYZ	16.4904, 22.7066, 10.5328
YIQ	122.6300, -2.9750, -28.6950

Conversions

Conversions Part 2

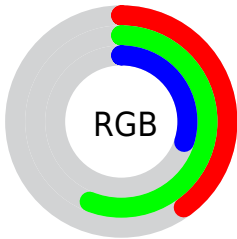
Format	Color
RYB	77, 142, 117
Decimal	6721101
CIELab	54.77, -26.17, 30.21
CIELCh	55, 39.964, 130.905
Yxy	22.7066, 0.3316, 0.4566
Android (android.graphics.Color)	4284911181 (0xFF668E4D)
YUV	122.6300, -22.4956, -18.0925
Hunter-Lab	47.6514, -21.6179, 20.2507

Details

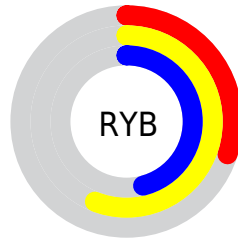
The Yxy color $22.7066, 0.3316, 0.4566$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $11.0424, 0.2814, 0.2089$, and the grayscale version is $19.7543, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.9807, 0.3298, 0.4267$, and $8.3060, 0.3319, 0.5113$ is the 20% darker color. If you saturate the color by 10%, you get $22.0444, 0.3336, 0.4869$, and if you desaturate by 10%, it is $23.4684, 0.3285, 0.4261$.

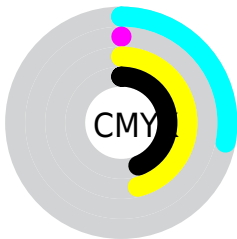
Distribution



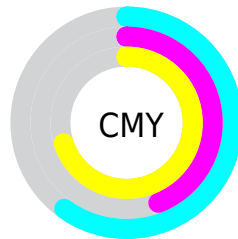
- Red (40%)
- Green (56%)
- Blue (30%)



- Red (30%)
- Yellow (56%)
- Blue (46%)



- Cyan (28%)
- Magenta (0%)
- Yellow (46%)
- Black (44%)




- Cyan (60%)
- Magenta (44%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.7066, 0.3316, 0.4566 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 22.7066, 0.3316, 0.4566 by changing the saturation by 10% instead.


 22.7066, 0.3316,
0.4566


 22.7066, 0.3316,
0.4566

266.2144, 0.3236,
0.3821


 14.3770, 0.3323,
0.4795


 47.9111, 0.3294,
0.4265


 8.3833, 0.3319,
0.5116


 65.5548, 0.3283,
0.4162


 4.3412, 0.3278,
0.5595

 87.0720, 0.3273,
0.4078

 1.8662, 0.3296,
0.6704

 112.8472, 0.3264,
0.4009

 0.5279, 0.0000,
1.0000

 143.2646, 0.3256,
0.3950

 0.0000, 0.0000,
0.0000

178.7086, 0.3248,

0.3901

219.5638, 0.3242,
0.3858

■ 22.7066, 0.3316,
0.4566

■ 22.7066, 0.3316,
0.4566

■ 22.0444, 0.3336,
0.4869

■ 23.4684, 0.3285,
0.4261

■ 21.4744, 0.3341,
0.5154

■ 24.3311, 0.3246,
0.3965

■ 20.9924, 0.3329,
0.5405

■ 25.2997, 0.3201,
0.3686

■ 20.5931, 0.3300,
0.5608


■ 26.3777, 0.3155,
0.3428

■ 20.2690, 0.3256,
0.5756


■ 27.5688, 0.3107,
0.3194

 20.1487, 0.3238,
0.5811

 28.8763, 0.3061,
0.2984

 30.3034, 0.3016,
0.2796

 31.8531, 0.2973,
0.2628

 33.5285, 0.2933,
0.2480

Harmonies

Analogous

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



22.7066, 0.3968, 0.4502



22.7066, 0.3316, 0.4566



22.7066, 0.2648, 0.4142

Triad

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



22.7066, 0.3316, 0.4566



22.7066, 0.1948, 0.2337



22.7066, 0.4185, 0.3063

Complementary

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



22.7066, 0.3316, 0.4566



11.0424, 0.2814, 0.2089

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.



22.7066, 0.3525, 0.2613



22.7066, 0.3316, 0.4566



22.7066, 0.2255, 0.2204

Square

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



22.7066, 0.3316, 0.4566



22.7066, 0.1907, 0.2743



22.7066, 0.2809, 0.2309



22.7066, 0.4523, 0.3585

Rectangle

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



22.7066, 0.3316, 0.4566



22.7066, 0.2285, 0.3664



22.7066, 0.2809, 0.2309



22.7066, 0.3989, 0.2901

Sweetspot

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



22.7076, 0.3316, 0.4566



44.8805, 0.3194, 0.3646



18.7779, 0.3973, 0.3980



9.9467, 0.3203, 0.3697



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



22.7076, 0.3316, 0.4566



38.8304, 0.3336, 0.4879



21.5576, 0.3010, 0.4533



6.1241, 0.3171, 0.3513



18.0987, 0.3241, 0.5809



0.1850, 0.3585, 0.5535

Inverse Universe

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



11.0424, 0.2814, 0.2089



15.5723, 0.2717, 0.1815



12.8213, 0.3273, 0.2303



5.4089, 0.3080, 0.3069



3.6014, 0.2288, 0.1034



0.0472, 0.2715, 0.1269

Previews

White Background



This preview shows how the Yxy color 22.7066, 0.3316, 0.4566 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 22.7066, 0.3316, 0.4566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

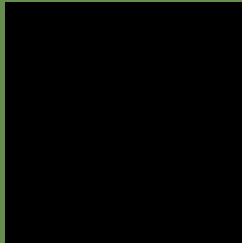
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7066, 0.3316, 0.4566

Background



This preview shows how black text looks on a background with the Yxy color 22.7066, 0.3316, 0.4566.



This preview shows how white text looks on a background with the Yxy color 22.7066, 0.3316, 0.4566.

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

22.7066, 0.3316, 0.4566

Protanopia

22.6429, 0.3925, 0.4269

Deuteranopia

22.5304, 0.4066, 0.3997



Tritanopia

22.6052, 0.2796, 0.3091

Trichromacy



Original Color

22.7066, 0.3316, 0.4566

Protanomaly

22.4895, 0.3697, 0.4387

Deuteranomaly

22.2151, 0.3776, 0.4185

Tritanomaly

22.4986, 0.2994, 0.3613

Monochromacy



Original Color

22.7066, 0.3316, 0.4566

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.6507, 0.3210, 0.3755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7066, 0.3316, 0.4566 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(102, 142, 77)` looks like.

```
.text, #text, p{  
    color:rgb(102, 142, 77)  
}
```

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(102, 142, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 142, 77) }
```

Border

The CSS property to change the border of an element to Yxy 22.7066, 0.3316, 0.4566 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(102, 142, 77) }
```

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

```
.border{ border-color:rgb(102, 142, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 142, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 142, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 142, 77);  
box-shadow:4px 4px 4px 4px rgb(102, 142,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7066, 0.3316, 0.4566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 142, 77) }
```

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

```
.background{ background-color: rgb(102,  
142, 77) }
```

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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