

Converting Colors

$Y_{xy}(28.7208, 0.3323, 0.4456)$

Have a look what the booklet for
Yxy(28.7208, 0.3323, 0.4456)
contains.

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Color

Yxy(28.7208, 0.3323, 0.4456)

Conversions

Conversions Part 1

Format	Color
Hex	769D5B
RGB	118, 157, 91
RGB Percent	46%, 62%, 36%
CMY	0.5372, 0.3843, 0.6431
CMYK	0.25, 0.00, 0.42, 0.38
HSL	95°, 27%, 49%
HSV	95°, 42%, 62%
XYZ	21.4181, 28.7208, 14.3153
YIQ	137.8150, -2.0580, -28.7940

Conversions

Conversions Part 2

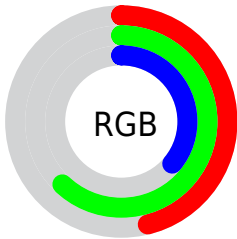
Format	Color
R_{YB}	91, 157, 130
Decimal	7773531
CIE _{Lab}	60.53, -25.63, 30.26
CIE _{LCh}	61, 39.651, 130.261
Yxy	28.7208, 0.3323, 0.4456
Android (android.graphics.Color)	4285963611 (0xFF769D5B)
YUV	137.8150, -23.0798, -17.3778
Hunter-Lab	53.5918, -22.4475, 21.6769

Details

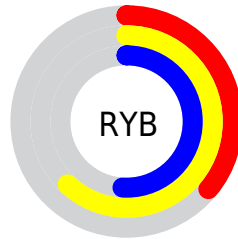
The Yxy color **28.7208, 0.3323, 0.4456** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6651, 0.2823, 0.2175**, and the grayscale version is **25.4335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6979, 0.3294, 0.4203**, and **11.4709, 0.3340, 0.4910** is the 20% darker color. If you saturate the color by 10%, you get **27.8608, 0.3351, 0.4760**, and if you desaturate by 10%, it is **29.7038, 0.3284, 0.4153**.

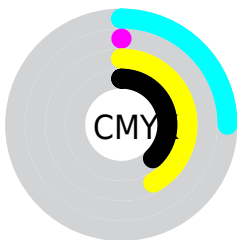
Distribution



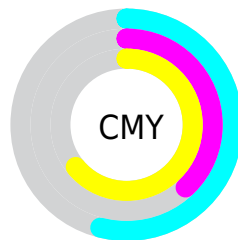
- Red (46%)
- Green (62%)
- Blue (36%)



- Red (36%)
- Yellow (62%)
- Blue (51%)



- Cyan (25%)
- Magenta (0%)
- Yellow (42%)
- Black (38%)




- Cyan (54%)
- Magenta (38%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7208, 0.3323, 0.4456 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 28.7208, 0.3323, 0.4456 by changing the saturation by 10% instead.

 28.7208, 0.3323,
0.4456


 28.7208, 0.3323,
0.4456

295.8953, 0.3238,
0.3800

 18.8697, 0.3335,
0.4646


 57.6332, 0.3298,
0.4198


 11.5762, 0.3342,
0.4907


 77.4633, 0.3286,
0.4108

 6.4558, 0.3330,
0.5280


 101.3885, 0.3276,
0.4033

 3.1242, 0.3335,
0.5977

 129.7933, 0.3267,
0.3971

 1.1969, 0.2875,
0.7125

163.0619, 0.3258,
0.3918

 0.0592, 0.0000,
1.0000

201.5789, 0.3251,

 0.0000, 0.0000,

0.3873

0.0000

245.7286, 0.3244,
0.3834

■ 28.7208, 0.3323,
0.4456

■ 28.7208, 0.3323,
0.4456

■ 27.8608, 0.3351,
0.4760

■ 29.7038, 0.3284,
0.4153

■ 27.1148, 0.3364,
0.5051

■ 30.8112, 0.3239,
0.3862

■ 26.4781, 0.3361,
0.5314


■ 32.0489, 0.3189,
0.3589


■ 25.9441, 0.3338,
0.5533

■ 33.4213, 0.3138,
0.3338

■ 25.5054, 0.3298,
0.5695

■ 34.9326, 0.3086,
0.3111

 25.2119, 0.3260,
0.5794

 36.5869, 0.3036,
0.2907

 38.3880, 0.2989,
0.2725

 40.3396, 0.2943,
0.2563

 42.4452, 0.2901,
0.2420

Harmonies

Analogous

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



28.7208, 0.3922, 0.4403



28.7208, 0.3323, 0.4456



28.7208, 0.2703, 0.4077

Triad

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



28.7208, 0.3323, 0.4456



28.7208, 0.2028, 0.2417



28.7208, 0.4087, 0.3075

Complementary

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



28.7208, 0.3323, 0.4456



14.6651, 0.2823, 0.2175

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.



28.7208, 0.3481, 0.2655



28.7208, 0.3323, 0.4456



28.7208, 0.2312, 0.2282

Square

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



28.7208, 0.3323, 0.4456



28.7208, 0.1997, 0.2804



28.7208, 0.2824, 0.2374



28.7208, 0.4407, 0.3563

Rectangle

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



28.7208, 0.3323, 0.4456



28.7208, 0.2362, 0.3649



28.7208, 0.2824, 0.2374



28.7208, 0.3906, 0.2924

Sweetspot

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



28.7220, 0.3323, 0.4456



57.1126, 0.3195, 0.3621



23.7580, 0.3906, 0.3914



12.4632, 0.3206, 0.3676



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



28.7220, 0.3323, 0.4456



50.0502, 0.3348, 0.4728



27.1930, 0.3026, 0.4446



7.5269, 0.3175, 0.3517



20.4973, 0.3266, 0.5789



0.3906, 0.3590, 0.5532

Inverse Universe

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



14.6651, 0.2823, 0.2175



21.5718, 0.2736, 0.1929



16.9035, 0.3246, 0.2357



6.6191, 0.3075, 0.3065



3.8793, 0.2230, 0.1002



0.0937, 0.2631, 0.1223

Previews

White Background



This preview shows how the Yxy color 28.7208, 0.3323, 0.4456 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 28.7208, 0.3323, 0.4456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

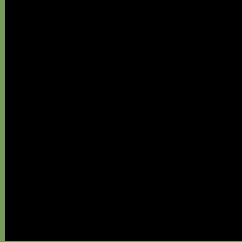
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7208, 0.3323, 0.4456

Background



This preview shows how black text looks on a background with the Yxy color 28.7208, 0.3323, 0.4456.



This preview shows how white text looks on a background with the Yxy color 28.7208, 0.3323, 0.4456.

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

28.7208, 0.3323, 0.4456

Protanopia

28.6168, 0.3863, 0.4204

Deuteranopia

28.4054, 0.4015, 0.3936



Tritanopia

28.7352, 0.2825, 0.3095

Trichromacy



Original Color

28.7208, 0.3323, 0.4456

Protanomaly

28.4466, 0.3658, 0.4306

Deuteranomaly

28.2359, 0.3738, 0.4119

Tritanomaly

28.5940, 0.3006, 0.3563

Monochromacy



Original Color

28.7208, 0.3323, 0.4456

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4566, 0.3213, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7208, 0.3323, 0.4456 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(118, 157, 91)` looks like.

```
.text, #text, p{  
    color:rgb(118, 157, 91)  
}
```

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(118, 157, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 157, 91) }
```

Border

The CSS property to change the border of an element to Yxy 28.7208, 0.3323, 0.4456 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(118, 157, 91) }
```

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

```
.border{ border-color:rgb(118, 157, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 157, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 157, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 157, 91);  
box-shadow:4px 4px 4px 4px rgb(118, 157,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7208, 0.3323, 0.4456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 157, 91) }
```

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

```
.background{ background-color: rgb(118,  
157, 91) }
```

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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