

Converting Colors

$Y_{xy}(28.7302, 0.3187, 0.4470)$

Have a look what the booklet for
Yxy(28.7302, 0.3187, 0.4470)
contains.

Yxy(28.7302, 0.3187, 0.4470)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.7302, 0.3187, 0.4470)

Conversions

Conversions Part 1

Format	Color
Hex	6B9F5E
RGB	107, 159, 94
RGB Percent	42%, 62%, 37%
CMY	0.5803, 0.3765, 0.6313
CMYK	0.33, 0.00, 0.41, 0.38
HSL	108°, 26%, 50%
HSV	108°, 41%, 62%
XYZ	20.4839, 28.7302, 15.0593
YIQ	136.0420, -10.1270, -31.2390

Conversions

Conversions Part 2

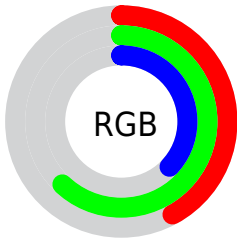
Format	Color
R_{YB}	94, 159, 146
Decimal	7053150
CIE _{Lab}	60.54, -30.15, 28.54
CIE _{LCh}	61, 41.517, 136.572
Yxy	28.7302, 0.3187, 0.4470
Android (android.graphics.Color)	4285243230 (0xFF6B9F5E)
YUV	136.0420, -20.7267, -25.4698
Hunter-Lab	53.6006, -25.5856, 20.8627

Details

The Yxy color $28.7302, 0.3187, 0.4470$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $16.6228, 0.3006, 0.2259$, and the grayscale version is $24.7214, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.6111, 0.3189, 0.4209$, and $11.5534, 0.3160, 0.4946$ is the 20% darker color. If you saturate the color by 10%, you get $27.7433, 0.3189, 0.4801$, and if you desaturate by 10%, it is $29.8943, 0.3178, 0.4146$.

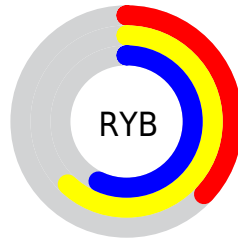
Distribution



Red (42%)

Green (62%)

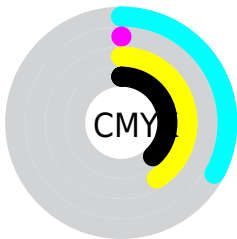
Blue (37%)



Red (37%)

Yellow (62%)

Blue (57%)

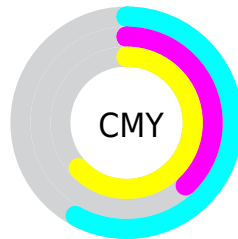


Cyan (33%)

Magenta (0%)

Yellow (41%)

Black (38%)



Cyan (58%)


Magenta (38%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7302, 0.3187, 0.4470 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 28.7302, 0.3187, 0.4470 by changing the saturation by 10% instead.


 28.7302, 0.3187,
0.4470


 28.7302, 0.3187,
0.4470


295.9398, 0.3176,
0.3801


 18.8768, 0.3179,
0.4667


 57.6481, 0.3190,
0.4206


 11.5813, 0.3159,
0.4939


 77.4815, 0.3189,
0.4113

 6.4593, 0.3111,
0.5335


 101.4103, 0.3187,
0.4037

 3.1263, 0.3034,
0.6038

 129.8190, 0.3185,
0.3974

 1.1980, 0.2376,
0.7624

163.0918, 0.3183,
0.3921

 0.0601, 0.0000,
1.0000

201.6133, 0.3180,

 0.0000, 0.0000,

0.3875

0.0000

245.7679, 0.3178,
0.3835

■ 28.7302, 0.3187,
0.4470

■ 28.7302, 0.3187,
0.4470

■ 27.7433, 0.3189,
0.4801

■ 29.8943, 0.3178,
0.4146

■ 26.9213, 0.3182,
0.5124

■ 31.2401, 0.3165,
0.3841

■ 26.2559, 0.3165,
0.5416


■ 32.7763, 0.3148,
0.3562

■ 25.7368, 0.3139,
0.5658

■ 34.5099, 0.3129,
0.3311


■ 25.3520, 0.3105,
0.5833

■ 36.4479, 0.3109,
0.3088

 25.1001, 0.3074,
0.5941

 38.5965, 0.3089,
0.2891

 40.9620, 0.3070,
0.2719

 43.5501, 0.3051,
0.2569

 46.3666, 0.3033,
0.2438

Harmonies

Analogous

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



28.7302, 0.3832, 0.4499



28.7302, 0.3187, 0.4470



28.7302, 0.2560, 0.3985

Triad

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



28.7302, 0.3187, 0.4470



28.7302, 0.2025, 0.2328



28.7302, 0.4234, 0.3166

Complementary

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



28.7302, 0.3187, 0.4470



16.6228, 0.3006, 0.2259

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.



28.7302, 0.3643, 0.2711



28.7302, 0.3187, 0.4470



28.7302, 0.2370, 0.2244

Square

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



28.7302, 0.3187, 0.4470



28.7302, 0.1936, 0.2672



28.7302, 0.2946, 0.2384



28.7302, 0.4483, 0.3678

Rectangle

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



28.7302, 0.3187, 0.4470



28.7302, 0.2236, 0.3512



28.7302, 0.2946, 0.2384



28.7302, 0.4066, 0.3004

Sweetspot

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



28.7314, 0.3187, 0.4470



58.3053, 0.3150, 0.3598



28.4057, 0.3802, 0.4086



13.0673, 0.3152, 0.3631



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



28.7314, 0.3187, 0.4470



49.8391, 0.3189, 0.4770



28.3562, 0.2927, 0.4158



7.4618, 0.3145, 0.3519



19.8399, 0.3079, 0.5938



0.3699, 0.3316, 0.5749

Inverse Universe

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



16.6228, 0.3006, 0.2259



25.1329, 0.2967, 0.2036



17.2903, 0.3418, 0.2560



6.6875, 0.3107, 0.3067



5.5702, 0.2717, 0.1271



0.1153, 0.2928, 0.1386

Previews

White Background



This preview shows how the Yxy color 28.7302, 0.3187, 0.4470 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 28.7302, 0.3187, 0.4470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

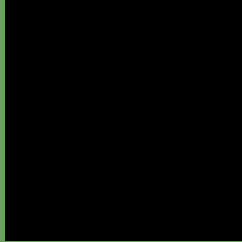
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7302, 0.3187, 0.4470

Background



This preview shows how black text looks on a background with the Yxy color 28.7302, 0.3187, 0.4470.



This preview shows how white text looks on a background with the Yxy color 28.7302, 0.3187, 0.4470.

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

28.7302, 0.3187, 0.4470

Protanopia

28.3430, 0.3851, 0.4161

Deuteranopia

28.3648, 0.3961, 0.3882



Tritanopia

28.6995, 0.2723, 0.3091

Trichromacy



Original Color

28.7302, 0.3187, 0.4470

Protanomaly

28.1435, 0.3586, 0.4275

Deuteranomaly

27.9049, 0.3663, 0.4086

Tritanomaly

28.5910, 0.2896, 0.3567

Monochromacy



Original Color

28.7302, 0.3187, 0.4470

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

25.6870, 0.3150, 0.3698

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7302, 0.3187, 0.4470 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(107, 159, 94)` looks like.

```
.text, #text, p{  
    color:rgb(107, 159, 94)  
}
```

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(107, 159, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 159, 94) }
```

Border

The CSS property to change the border of an element to Yxy 28.7302, 0.3187, 0.4470 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(107, 159, 94) }
```

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

```
.border{ border-color:rgb(107, 159, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 159, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 159, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 159, 94);  
box-shadow:4px 4px 4px 4px rgb(107, 159,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7302, 0.3187, 0.4470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 159, 94) }
```

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

```
.background{ background-color: rgb(107,  
159, 94) }
```

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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