

Converting Colors

$Y_{xy}(28.8214, 0.3273, 0.4475)$

Have a look what the booklet for
Yxy(28.8214, 0.3273, 0.4475)
contains.

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Color

Yxy(28.8038, 0.3272, 0.4467)

Conversions

Conversions Part 1

Format	Color
Hex	729E5C
RGB	114, 158, 92
RGB Percent	45%, 62%, 36%
CMY	0.5530, 0.3804, 0.6391
CMYK	0.28, 0.00, 0.42, 0.38
HSL	100°, 26%, 49%
HSV	100°, 42%, 62%
XYZ	21.0983, 28.8038, 14.5792
YIQ	137.3200, -5.0380, -29.8540

Conversions

Conversions Part 2

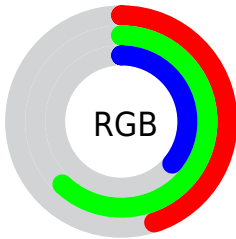
Format	Color
RYB	92, 158, 136
Decimal	7511644
CIELab	60.61, -27.47, 29.76
CIELCh	61, 40.500, 132.699
Yxy	28.8038, 0.3272, 0.4467
Android (android.graphics.Color)	4285701724 (0xFF729E5C)
YUV	137.3200, -22.3428, -20.4516
Hunter-Lab	53.6692, -23.7496, 21.4623

Details

The Yxy color $28.8038, 0.3272, 0.4467$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.3657, 0.2889, 0.2202$, and the grayscale version is $25.2323, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.7872, 0.3256, 0.4210$, and $11.5467, 0.3271, 0.4932$ is the 20% darker color. If you saturate the color by 10%, you get $27.8903, 0.3289, 0.4782$, and if you desaturate by 10%, it is $29.8589, 0.3245, 0.4156$.

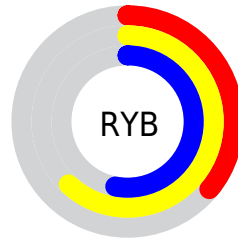
Distribution



Red (45%)

Green (62%)

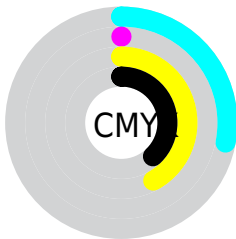
Blue (36%)



Red (36%)

Yellow (62%)

Blue (53%)

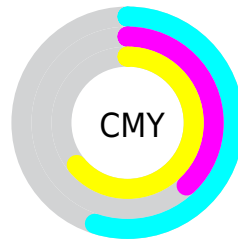


Cyan (28%)

Magenta (0%)

Yellow (42%)

Black (38%)



Cyan (55%)


Magenta (38%)


Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.8038, 0.3272, 0.4467 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 28.8038, 0.3272, 0.4467 by changing the saturation by 10% instead.


 28.8038, 0.3272,
0.4467


 28.8038, 0.3272,
0.4467


296.2881, 0.3215,
0.3803

 18.9324, 0.3276,
0.4661


 57.7652, 0.3257,
0.4206


 11.6215, 0.3273,
0.4926


 77.6241, 0.3250,
0.4114

 6.4865, 0.3247,
0.5310


 101.5809, 0.3243,
0.4038

 3.1431, 0.3219,
0.6010

 130.0200, 0.3236,
0.3975

 1.2069, 0.2697,
0.7303

163.3260, 0.3230,
0.3922

 0.0673, 0.0000,
1.0000

201.8830, 0.3225,

 0.0000, 0.0000,

0.3877

0.0000

246.0756, 0.3220,
0.3837

■ 28.8038, 0.3272,
0.4467

■ 28.8038, 0.3272,
0.4467

■ 27.8903, 0.3289,
0.4782

■ 29.8589, 0.3245,
0.4156

■ 27.1083, 0.3294,
0.5085

■ 31.0578, 0.3211,
0.3859

■ 26.4521, 0.3284,
0.5360


■ 32.4072, 0.3174,
0.3583


■ 25.9140, 0.3257,
0.5588


■ 33.9125, 0.3134,
0.3332

■ 25.4854, 0.3217,
0.5756


■ 35.5786, 0.3094,
0.3105

 25.2010, 0.3179,
0.5858

 37.4102, 0.3055,
0.2904

 39.4119, 0.3018,
0.2725

 41.5881, 0.2982,
0.2567

 43.9429, 0.2948,
0.2428

Harmonies

Analogous

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



28.8038, 0.3891, 0.4443



28.8038, 0.3272, 0.4467



28.8038, 0.2647, 0.4046

Triad

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



28.8038, 0.3272, 0.4467



28.8038, 0.2023, 0.2379



28.8038, 0.4147, 0.3108

Complementary

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



28.8038, 0.3272, 0.4467



15.3657, 0.2889, 0.2202

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.



28.8038, 0.3543, 0.2674



28.8038, 0.3272, 0.4467



28.8038, 0.2331, 0.2264

Square

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



28.8038, 0.3272, 0.4467



28.8038, 0.1970, 0.2751



28.8038, 0.2868, 0.2375



28.8038, 0.4441, 0.3607

Rectangle

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



28.8038, 0.3272, 0.4467



28.8038, 0.2311, 0.3599



28.8038, 0.2868, 0.2375



28.8038, 0.3970, 0.2953

Sweetspot

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



28.8050, 0.3272, 0.4467



58.4634, 0.3180, 0.3623



25.6544, 0.3865, 0.3992



13.0610, 0.3188, 0.3680



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.



28.8050, 0.3272, 0.4467



50.7667, 0.3288, 0.4757



27.7115, 0.2984, 0.4331



7.5030, 0.3164, 0.3518



20.2022, 0.3184, 0.5854



0.3831, 0.3496, 0.5606

Inverse Universe

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



15.3657, 0.2889, 0.2202



23.0281, 0.2818, 0.1958



17.0357, 0.3318, 0.2437



6.6439, 0.3087, 0.3066



4.4240, 0.2400, 0.1096



0.1012, 0.2740, 0.1283

Previews

White Background



This preview shows how the Yxy color 28.8038, 0.3272, 0.4467 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 28.8038, 0.3272, 0.4467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

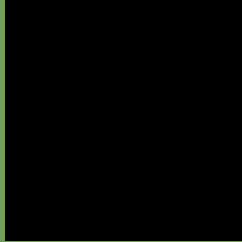
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8038, 0.3272, 0.4467

Background



This preview shows how black text looks on a background with the Yxy color 28.8038, 0.3272, 0.4467.



This preview shows how white text looks on a background with the Yxy color 28.8038, 0.3272, 0.4467.

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

28.8038, 0.3272, 0.4467

Protanopia

28.6168, 0.3863, 0.4204

Deuteranopia

28.4237, 0.4005, 0.3922



Tritanopia

28.7813, 0.2782, 0.3093

Trichromacy



Original Color

28.8038, 0.3272, 0.4467

Protanomaly

28.3736, 0.3638, 0.4294

Deuteranomaly

28.1563, 0.3717, 0.4107

Tritanomaly

28.6536, 0.2960, 0.3564

Monochromacy



Original Color

28.8038, 0.3272, 0.4467

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

26.2984, 0.3192, 0.3709

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8038, 0.3272, 0.4467 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(114, 158, 92)` looks like.

```
.text, #text, p{  
    color:rgb(114, 158, 92)  
}
```

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(114, 158, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 158, 92) }
```

Border

The CSS property to change the border of an element to Yxy 28.8038, 0.3272, 0.4467 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(114, 158, 92) }
```

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

```
.border{ border-color:rgb(114, 158, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 158, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 158, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 158, 92);  
box-shadow:4px 4px 4px 4px rgb(114, 158,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8038, 0.3272, 0.4467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 158, 92) }
```

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

```
.background{ background-color: rgb(114,  
158, 92) }
```

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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