

Converting Colors

$Y_{xy}(28.6375, 0.3155, 0.4201)$

Have a look what the booklet for
Yxy(28.6375, 0.3155, 0.4201)
contains.

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Color

Yxy(28.7320, 0.3159, 0.4202)

Conversions

Conversions Part 1

Format	Color
Hex	729D6A
RGB	114, 157, 106
RGB Percent	45%, 62%, 42%
CMY	0.5529, 0.3843, 0.5843
CMYK	0.27, 0.00, 0.32, 0.38
HSL	111°, 21%, 52%
HSV	111°, 32%, 62%
XYZ	21.6003, 28.7320, 18.0447
YIQ	138.3290, -9.2570, -24.9770

Conversions

Conversions Part 2

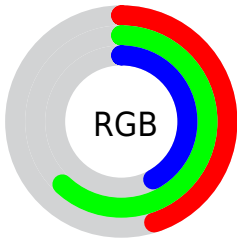
Format	Color
RYB	106, 157, 149
Decimal	7511402
CIELab	60.54, -24.81, 22.12
CIELCh	61, 33.235, 138.283
Yxy	28.7320, 0.3159, 0.4202
Android (android.graphics.Color)	4285701482 (0xFF729D6A)
YUV	138.3290, -15.9382, -21.3365
Hunter-Lab	53.6022, -21.8731, 17.5622

Details

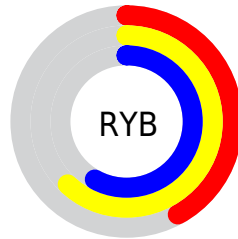
The Yxy color $28.7320, 0.3159, 0.4202$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $19.1320, 0.3065, 0.2481$, and the grayscale version is $25.6150, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.7711, 0.3159, 0.3998$, and $11.4986, 0.3143, 0.4557$ is the 20% darker color. If you saturate the color by 10%, you get $27.6116, 0.3161, 0.4532$, and if you desaturate by 10%, it is $30.0431, 0.3152, 0.3891$.

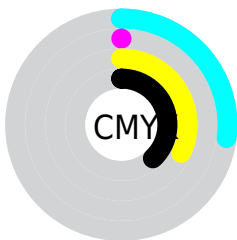
Distribution



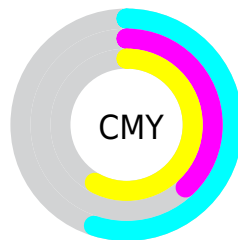
- Red (45%)
- Green (62%)
- Blue (42%)



- Red (42%)
- Yellow (62%)
- Blue (58%)



- Cyan (27%)
- Magenta (0%)
- Yellow (32%)
- Black (38%)





- Cyan (55%)
- Magenta (38%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7320, 0.3159, 0.4202 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 28.7320, 0.3159, 0.4202 by changing the saturation by 10% instead.


 28.7320, 0.3159,
0.4202


 28.7320, 0.3159,
0.4202


295.9484, 0.3154,
0.3688

 18.8782, 0.3154,
0.4353


 57.6510, 0.3161,
0.3999


 11.5823, 0.3142,
0.4562


 77.4850, 0.3161,
0.3928

 6.4599, 0.3115,
0.4870


 101.4145, 0.3160,
0.3870

 3.1267, 0.3046,
0.5359

 129.8239, 0.3159,
0.3822

 1.1982, 0.2960,
0.7040

163.0976, 0.3158,
0.3780

 0.0603, 0.0000,
1.0000

201.6199, 0.3157,

 0.0000, 0.0000,

0.3745

0.0000

245.7754, 0.3155,
0.3715

■ 28.7320, 0.3159,
0.4202

■ 28.7320, 0.3159,
0.4202

■ 27.6116, 0.3161,
0.4532

■ 30.0431, 0.3152,
0.3891

■ 26.6694, 0.3157,
0.4868

■ 31.5492, 0.3142,
0.3605

■ 25.8972, 0.3146,
0.5191

■ 33.2595, 0.3130,
0.3349


■ 25.2846, 0.3127,
0.5480


■ 35.1811, 0.3117,
0.3122

■ 24.8201, 0.3101,
0.5713


■ 37.3209, 0.3103,
0.2923


 24.4905, 0.3071,
0.5875

 39.6855, 0.3090,
0.2749

 24.3161, 0.3051,
0.5959

 42.2813, 0.3076,
0.2597

 45.1144, 0.3063,
0.2466

 48.1904, 0.3051,
0.2351

Harmonies

Analogous

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



28.7320, 0.3684, 0.4268



28.7320, 0.3159, 0.4202



28.7320, 0.2650, 0.3808

Triad

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



28.7320, 0.3159, 0.4202



28.7320, 0.2232, 0.2498



28.7320, 0.4032, 0.3225

Complementary

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



28.7320, 0.3159, 0.4202



19.1320, 0.3065, 0.2481

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.



28.7320, 0.3576, 0.2837



28.7320, 0.3159, 0.4202



28.7320, 0.2536, 0.2430

Square

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



28.7320, 0.3159, 0.4202



28.7320, 0.2146, 0.2780



28.7320, 0.3018, 0.2555



28.7320, 0.4218, 0.3653

Rectangle

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



28.7320, 0.3159, 0.4202



28.7320, 0.2387, 0.3442



28.7320, 0.3018, 0.2555



28.7320, 0.3903, 0.3088

Sweetspot

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



28.7332, 0.3159, 0.4202



57.1701, 0.3140, 0.3544



29.5459, 0.3641, 0.3959



12.4959, 0.3141, 0.3579



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.



28.7332, 0.3159, 0.4202



49.9658, 0.3161, 0.4441



28.6084, 0.2943, 0.3902



7.4486, 0.3139, 0.3519



19.7606, 0.3055, 0.5957



0.3657, 0.3254, 0.5799

Inverse Universe

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



19.1320, 0.3065, 0.2481



30.0261, 0.3045, 0.2299



19.3711, 0.3377, 0.2749



6.7018, 0.3114, 0.3068



5.9956, 0.2823, 0.1329



0.1201, 0.2988, 0.1420

Previews

White Background



This preview shows how the Yxy color 28.7320, 0.3159, 0.4202 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 28.7320, 0.3159, 0.4202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

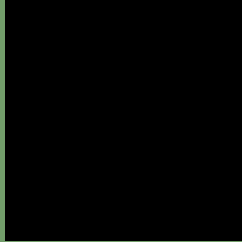
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.7320, 0.3159, 0.4202

Background



This preview shows how black text looks on a background with the Yxy color 28.7320, 0.3159, 0.4202.



This preview shows how white text looks on a background with the Yxy color 28.7320, 0.3159, 0.4202.

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

28.7320, 0.3159, 0.4202

Protanopia

28.3585, 0.3708, 0.3987

Deuteranopia

28.5399, 0.3801, 0.3742



Tritanopia

28.7064, 0.2773, 0.3093

Trichromacy



Original Color

28.7320, 0.3159, 0.4202

Protanomaly

28.1369, 0.3489, 0.4060

Deuteranomaly

28.1459, 0.3542, 0.3892

Tritanomaly

28.7285, 0.2907, 0.3477

Monochromacy



Original Color

28.7320, 0.3159, 0.4202

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

26.4243, 0.3143, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7320, 0.3159, 0.4202 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, 157, 106)` looks like.

```
.text, #text, p{  
    color:rgb(114, 157, 106)  
}
```

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, 157, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 157, 106) }
```

Border

The CSS property to change the border of an element to Yxy 28.7320, 0.3159, 0.4202 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, 157, 106) }
```

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

```
.border{ border-color:rgb(114, 157, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 157, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 157, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 157, 106);  
box-shadow:4px 4px 4px 4px rgb(114, 157,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7320, 0.3159, 0.4202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 157, 106) }
```

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

```
.background{ background-color: rgb(114,  
157, 106) }
```

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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