

Converting Colors

$Y_{xy}(29.9821, 0.3161, 0.2993)$

Have a look what the booklet for
Yxy(29.9821, 0.3161, 0.2993)
contains.

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Color

Yxy(29.8472, 0.3162, 0.2996)

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | A48EA2 |
| RGB | 164, 142, 162 |
| RGB Percent | 64%, 56%, 64% |
| CMY | 0.3569, 0.4431, 0.3648 |
| CMYK | 0.00, 0.13, 0.01, 0.36 |
| HSL | 305°, 11%, 60% |
| HSV | 305°, 13%, 64% |
| XYZ | 31.5010, 29.8472, 38.2753 |
| YIQ | 150.8580, 6.6920, 10.8840 |

Conversions

Conversions Part 2

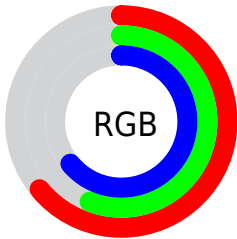
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 164, 142, 162 |
| Decimal | 10784418 |
| CIELab | 61.52, 11.87, -7.49 |
| CIELCh | 62, 14.037, 327.743 |
| Yxy | 29.8472, 0.3162, 0.2996 |
| Android (android.graphics.Color) | 4288974498 (0xFFA48EA2) |
| YUV | 150.8580, 5.4930, 11.5255 |
| Hunter-Lab | 54.6326, 7.3154, -3.2955 |

Details

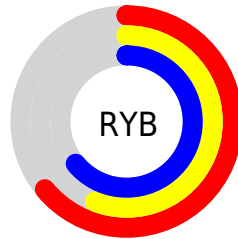
The Yxy color $29.8472, 0.3162, 0.2996$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $34.3117, 0.3094, 0.3603$, and the grayscale version is $30.8573, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5497, 0.3154, 0.3055$, and $12.2248, 0.3176, 0.2914$ is the 20% darker color. If you saturate the color by 10%, you get $25.2692, 0.3191, 0.2771$, and if you desaturate by 10%, it is $35.1464, 0.3135, 0.3217$.

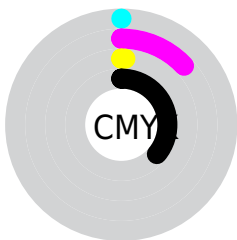
Distribution



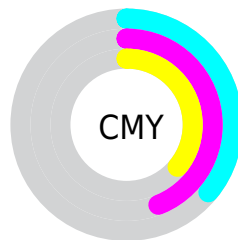
- Red (64%)
- Green (56%)
- Blue (64%)



- Red (64%)
- Yellow (56%)
- Blue (64%)



- Cyan (0%)
- Magenta (13%)
- Yellow (1%)
- Black (36%)




- Cyan (36%)
- Magenta (44%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8472, 0.3162, 0.2996 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 29.8472, 0.3162, 0.2996 by changing the saturation by 10% instead.


 29.8472, 0.3162,
0.2996


 29.8472, 0.3162,
0.2996


301.1916, 0.3145,
0.3151


 19.7226, 0.3166,
0.2955


 59.4205, 0.3156,
0.3054

 12.1936, 0.3171,
0.2900


 79.6379, 0.3153,
0.3075

 6.8757, 0.3178,
0.2824


 103.9885, 0.3151,
0.3093

 3.3845, 0.3187,
0.2711

132.8566, 0.3150,
0.3108

 1.3356, 0.3199,
0.2528

166.6265, 0.3148,
0.3121

 0.1685, 0.3394,
0.1271

205.6827, 0.3147,

 0.0000, 0.0000,

0.3132

0.0000

250.4096, 0.3146,
0.3142

■ 29.8472, 0.3162,
0.2996

■ 29.8472, 0.3162,
0.2996

■ 25.2692, 0.3191,
0.2771

■ 35.1464, 0.3135,
0.3217

■ 21.3771, 0.3224,
0.2547

■ 41.1921, 0.3112,
0.3429

■ 18.1389, 0.3258,
0.2333

■ 48.0134, 0.3091,
0.3628

■ 15.5181, 0.3294,
0.2137

■ 55.6365, 0.3073,
0.3814

■ 13.4749, 0.3330,
0.1968

■ 64.0864, 0.3058,
0.3986

■ 11.9648, 0.3365,
0.1835

■ 73.3871, 0.3045,
0.4143

■ 10.9366, 0.3399,
0.1743

■ 82.4066, 0.3033,
0.4269

■ 10.3294, 0.3430,
0.1693

■ 82.4645, 0.3026,
0.4251

■ 10.0624, 0.3450,
0.1674

■ 82.5231, 0.3018,
0.4232

Harmonies

Analogous

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



29.8472, 0.2938, 0.2916



29.8472, 0.3162, 0.2996



29.8472, 0.3384, 0.3147

Triad

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



29.8472, 0.3162, 0.2996



29.8472, 0.3491, 0.3655



29.8472, 0.2732, 0.3221

Complementary

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



29.8472, 0.3162, 0.2996



34.3117, 0.3094, 0.3603

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.



29.8472, 0.2871, 0.3435



29.8472, 0.3162, 0.2996



29.8472, 0.3308, 0.3692

Square

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



29.8472, 0.3162, 0.2996



29.8472, 0.3577, 0.3522



29.8472, 0.3080, 0.3612



29.8472, 0.2696, 0.3036

Rectangle

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



29.8472, 0.3162, 0.2996



29.8472, 0.3498, 0.3271



29.8472, 0.3080, 0.3612



29.8472, 0.2768, 0.3292

Sweetspot

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



29.8485, 0.3162, 0.2996



63.1173, 0.3137, 0.3202



27.9444, 0.2937, 0.2947



13.6381, 0.3139, 0.3186



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



29.8485, 0.3162, 0.2996



51.6468, 0.3170, 0.2931



29.4802, 0.3271, 0.3153



7.1910, 0.3151, 0.3088



7.7205, 0.3448, 0.1673



0.1652, 0.3352, 0.1620

Inverse Universe

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



29.8485, 0.3162, 0.2996



51.6468, 0.3170, 0.2931



34.6586, 0.3003, 0.3431



7.1910, 0.3151, 0.3088



7.7205, 0.3448, 0.1673



0.1652, 0.3352, 0.1620

Previews

White Background



This preview shows how the Yxy color 29.8472, 0.3162, 0.2996 looks on a white background.

Color Contrast Check

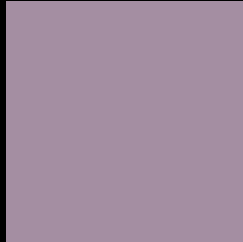
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8472, 0.3162, 0.2996 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 29.8472, 0.3162, 0.2996

Background



This preview shows how black text looks on a background with the Yxy color 29.8472, 0.3162, 0.2996.



This preview shows how white text looks on a background with the Yxy color 29.8472, 0.3162, 0.2996.

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

29.8472, 0.3162, 0.2996

Protanopia

30.0440, 0.2941, 0.3013

Deuteranopia

30.0275, 0.3088, 0.3035



Tritanopia

29.7645, 0.3230, 0.3126

Trichromacy



Original Color

29.8472, 0.3162, 0.2996

Protanomaly

30.0467, 0.3019, 0.3003

Deuteranomaly

30.0287, 0.3119, 0.3022

Tritanomaly

29.8658, 0.3200, 0.3082

Monochromacy



Original Color

29.8472, 0.3162, 0.2996

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.6143, 0.3142, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8472, 0.3162, 0.2996 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(164, 142, 162)` looks like.

```
.text, #text, p{  
    color:rgb(164, 142, 162)  
}
```

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(164, 142, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 142, 162) }
```

Border

The CSS property to change the border of an element to Yxy 29.8472, 0.3162, 0.2996 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(164, 142, 162) }
```

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

```
.border{ border-color:rgb(164, 142, 162) }
```

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

Here you see how a box with a 4 pixel rgb(164, 142, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 142, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 142, 162);  
box-shadow:4px 4px 4px 4px rgb(164, 142,  
162) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8472, 0.3162, 0.2996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 142, 162) }
```

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

```
.background{ background-color: rgb(164,  
142, 162) }
```

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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