

Converting Colors

Yxy(31.2517, 0.3162, 0.2766)

Have a look what the booklet for
Yxy(31.2517, 0.3162, 0.2766)
contains.

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Color

Yxy(31.1446, 0.3152, 0.2756)

Conversions

Conversions Part 1	
Format	Color
Hex	B28BB2
RGB	178, 139, 178
RGB Percent	70%, 55%, 70%
CMY	0.3021, 0.4548, 0.3020
CMYK	0.00, 0.22, 0.00, 0.30
HSL	300°, 20%, 62%
HSV	300°, 22%, 70%
XYZ	35.6197, 31.1446, 46.2423
YIQ	155.1070, 10.7250, 20.3970

Conversions

Conversions Part 2

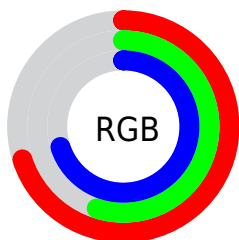
Format	Color
RYB	178, 139, 178
Decimal	11701170
CIELab	62.63, 21.56, -14.77
CIELCh	63, 26.135, 325.600
Yxy	31.1446, 0.3152, 0.2756
Android (android.graphics.Color)	4289891250 (0xFFB28BB2)
YUV	155.1070, 11.2862, 20.0772
Hunter-Lab	55.8073, 16.2667, -10.0629

Details

The Yxy color $31.1446, 0.3152, 0.2756$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $39.1902, 0.3099, 0.3889$, and the grayscale version is $32.7731, 0.3127, 0.3290$.

A 20% lighter version of the original color is $61.5729, 0.3148, 0.2856$, and $12.9854, 0.3159, 0.2608$ is the 20% darker color. If you saturate the color by 10%, you get $26.4024, 0.3163, 0.2512$, and if you desaturate by 10%, it is $36.7286, 0.3141, 0.3003$.

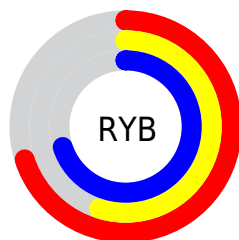
Distribution



Red (70%)

Green (55%)

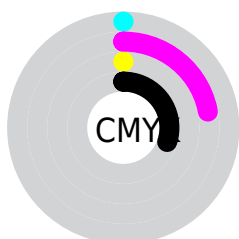
Blue (70%)



Red (70%)

Yellow (55%)

Blue (70%)

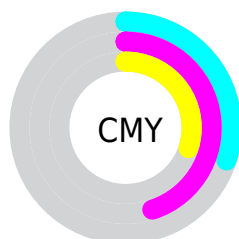


Cyan (0%)

Magenta (22%)

Yellow (0%)

Black (30%)



Cyan (30%)

Magenta (45%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1446, 0.3152, 0.2756 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 31.1446, 0.3152, 0.2756 by changing the saturation by 10% instead.


 31.1446, 0.3152,
0.2756

 31.1446, 0.3152,
0.2756


307.2039, 0.3143,
0.3029

 20.7090, 0.3153,
0.2686


 61.4677, 0.3150,
0.2857

 12.9114, 0.3153,
0.2595


 82.1239, 0.3149,
0.2894

 7.3676, 0.3151,
0.2471


 106.9558, 0.3148,
0.2926

 3.6930, 0.3145,
0.2296

136.3477, 0.3147,
0.2953

 1.5034, 0.3127,
0.2029

170.6841, 0.3146,
0.2976

 0.2911, 0.3216,
0.1166

210.3494, 0.3145,

 0.0000, 0.0000,

0.2996

0.0000


255.7278, 0.3144,
0.3014


 31.1446, 0.3152,
0.2756


 31.1446, 0.3152,
0.2756

 26.4024, 0.3163,
0.2512


 36.7286, 0.3141,
0.3003


 22.4574, 0.3174,
0.2279


 43.1882, 0.3129,
0.3245


 19.2671, 0.3184,
0.2067


 50.5602, 0.3118,
0.3478

 16.7832, 0.3192,
0.1884


 58.8781, 0.3108,
0.3698


 14.9523, 0.3199,
0.1738


 68.1738, 0.3099,
0.3902


 13.7128, 0.3204,
0.1634


 78.4775, 0.3090,
0.4089

 12.9919, 0.3207,
0.1570

 84.2014, 0.3086,
0.4180

 12.6650, 0.3208,
0.1541

 84.2025, 0.3086,
0.4180

 84.2036, 0.3086,
0.4180

Harmonies

Analogous

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



31.1446, 0.2753, 0.2625



31.1446, 0.3152, 0.2756



31.1446, 0.3570, 0.3008

Triad

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



31.1446, 0.3152, 0.2756



31.1446, 0.3807, 0.3935



31.1446, 0.2431, 0.3175

Complementary

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



31.1446, 0.3152, 0.2756



39.1902, 0.3099, 0.3889

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.



31.1446, 0.2681, 0.3586



31.1446, 0.3152, 0.2756



31.1446, 0.3473, 0.4044

Square

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



31.1446, 0.3152, 0.2756



31.1446, 0.3960, 0.3666



31.1446, 0.3059, 0.3920



31.1446, 0.2358, 0.2835

Rectangle

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



31.1446, 0.3152, 0.2756



31.1446, 0.3793, 0.3219



31.1446, 0.3059, 0.3920



31.1446, 0.2496, 0.3310

Sweetspot

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



31.1460, 0.3152, 0.2756



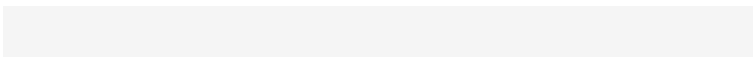
72.0044, 0.3135, 0.3119



27.3656, 0.2766, 0.2702



15.8012, 0.3136, 0.3105



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



31.1460, 0.3152, 0.2756



52.3853, 0.3157, 0.2644



30.4433, 0.3344, 0.3006



8.6465, 0.3138, 0.3066



9.0644, 0.3208, 0.1541



0.2853, 0.3208, 0.1541

Inverse Universe

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



29.8003, 0.3562, 0.3291



49.5305, 0.3682, 0.3291



39.7872, 0.2955, 0.3593



8.5053, 0.3287, 0.3290



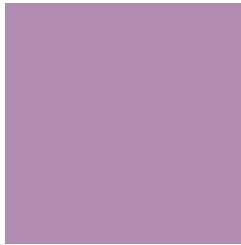
6.7725, 0.6400, 0.3299



0.2131, 0.6397, 0.3298

Previews

White Background



This preview shows how the Yxy color 31.1446, 0.3152, 0.2756 looks on a white background.

Color Contrast Check

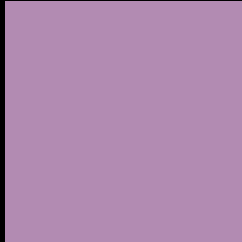
Large Text (above 18pt) WCAG AA × Fail

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 31.1446, 0.3152, 0.2756 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 ✓ Pass

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

Yxy 31.1446, 0.3152, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 31.1446, 0.3152, 0.2756.



This preview shows how white text looks on a background with the Yxy color 31.1446, 0.3152, 0.2756.

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

31.1446, 0.3152, 0.2756

Protanopia

31.2872, 0.2757, 0.2759

Deuteranopia

31.2830, 0.2940, 0.2879




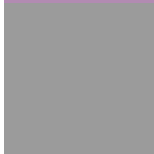
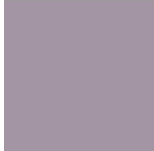
Tritanopia

31.0920, 0.3359, 0.3133

Trichromacy

	Original Color 31.1446, 0.3152, 0.2756
	Protanomaly 31.0446, 0.2888, 0.2756
	Deuteranomaly 31.2117, 0.3008, 0.2831
	Tritanomaly 31.2205, 0.3278, 0.2994

Monochromacy

	Original Color 31.1446, 0.3152, 0.2756
	Achromatopsia 32.7778, 0.3127, 0.3290
	Achromatomaly 31.9258, 0.3137, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1446, 0.3152, 0.2756 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(178, 139, 178) looks like.

```
.text, #text, p{  
    color:rgb(178, 139, 178)  
}
```

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(178, 139, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 139, 178) }
```

Border

The CSS property to change the border of an element to Yxy 31.1446, 0.3152, 0.2756 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(178, 139, 178) }
```

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

```
.border{ border-color:rgb(178, 139, 178) }
```

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

Here you see how a box with a 4 pixel rgb(178, 139, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 139, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 139, 178);  
box-shadow:4px 4px 4px 4px rgb(178, 139,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1446, 0.3152, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 139, 178) }
```

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

```
.background{ background-color: rgb(178,  
139, 178) }
```

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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