

Converting Colors

$Y_{xy}(30.6595, 0.2521, 0.2208)$

Have a look what the booklet for
Yxy(30.6595, 0.2521, 0.2208)
contains.

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Color

Yxy(30.6196, 0.2517, 0.2207)

Conversions

Conversions Part 1

Format	Color
Hex	948DDE
RGB	148, 141, 222
RGB Percent	58%, 55%, 87%
CMY	0.4197, 0.4470, 0.1293
CMYK	0.33, 0.36, 0.00, 0.13
HSL	245°, 55%, 71%
HSV	245°, 36%, 87%
XYZ	34.9205, 30.6196, 73.1985
YIQ	152.3270, -21.8290, 26.6750

Conversions

Conversions Part 2

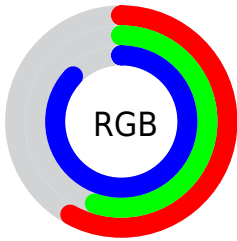
Format	Color
RYB	148, 141, 222
Decimal	9735646
CIELab	62.19, 21.11, -40.40
CIElCh	62, 45.582, 297.582
Yxy	30.6196, 0.2517, 0.2207
Android (android.graphics.Color)	4287925726 (0xFF948DDE)
YUV	152.3270, 34.3488, -3.7948
Hunter-Lab	55.3350, 15.8106, -39.6958

Details

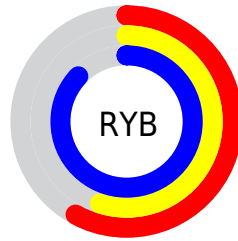
The Yxy color **30.6196, 0.2517, 0.2207** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **68.6413, 0.3619, 0.4212**, and the grayscale version is **31.4027, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0876, 0.2785, 0.2635**, and **12.6150, 0.2324, 0.1924** is the 20% darker color. If you saturate the color by 10%, you get **22.9866, 0.2314, 0.1859**, and if you desaturate by 10%, it is **39.8992, 0.2709, 0.2541**.

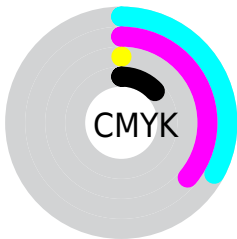
Distribution



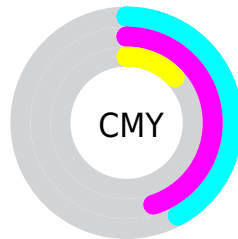
- Red (58%)
- Green (55%)
- Blue (87%)



- Red (58%)
- Yellow (55%)
- Blue (87%)



- Cyan (33%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)



- Cyan (42%)
- Magenta (45%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.6196, 0.2517, 0.2207 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 30.6196, 0.2517, 0.2207 by changing the saturation by 10% instead.

■ 30.6196, 0.2517,
0.2207

■ 30.6196, 0.2517,
0.2207

■ 304.7820, 0.2841,
0.2743

■ 20.3094, 0.2432,
0.2078

■ 60.6407, 0.2638,
0.2399

■ 12.6201, 0.2322,
0.1917

■ 81.1203, 0.2683,
0.2471

■ 7.1675, 0.2174,
0.1711

■ 105.7585, 0.2720,
0.2534

■ 3.5671, 0.1967,
0.1441

■ 134.9397, 0.2752,
0.2587

■ 1.4345, 0.1666,
0.1084

■ 169.0482, 0.2779,
0.2634

■ 0.2419, 0.1239,
0.0402

■ 208.4685, 0.2802,

■ 0.0000, 0.0000,

0.2674

0.0000

253.5850, 0.2823,
0.2710

■ 30.6196, 0.2517,
0.2207

■ 30.6196, 0.2517,
0.2207

■ 22.9866, 0.2314,
0.1859

■ 39.8992, 0.2709,
0.2541

■ 16.9006, 0.2109,
0.1515

■ 50.9103, 0.2883,
0.2850

■ 12.2565, 0.1916,
0.1198

■ 63.7361, 0.3037,
0.3127

■ 8.9346, 0.1749,
0.0934

■ 78.4536, 0.3172,
0.3372

■ 6.7958, 0.1622,
0.0745

■ 95.1350, 0.3289,
0.3586

■ 5.6667, 0.1542,
0.0638

■ 98.0556, 0.3321,
0.3611

■ 5.4147, 0.1524,
0.0613

Harmonies

Analogous

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



30.6196, 0.2057, 0.2202



30.6196, 0.2517, 0.2207



30.6196, 0.3199, 0.2433

Triad

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



30.6196, 0.2517, 0.2207



30.6196, 0.4563, 0.3891



30.6196, 0.2313, 0.3763

Complementary

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



30.6196, 0.2517, 0.2207



68.6413, 0.3619, 0.4212

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.



30.6196, 0.2926, 0.4428



30.6196, 0.2517, 0.2207



30.6196, 0.4235, 0.4380

Square

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



30.6196, 0.2517, 0.2207



30.6196, 0.4467, 0.3346



30.6196, 0.3630, 0.4637



30.6196, 0.1944, 0.3001

Rectangle

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



30.6196, 0.2517, 0.2207



30.6196, 0.3704, 0.2686



30.6196, 0.3630, 0.4637



30.6196, 0.2496, 0.4017

Sweetspot

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



30.6208, 0.2517, 0.2207



78.8477, 0.2969, 0.3004



59.6826, 0.2606, 0.3203



16.3655, 0.2948, 0.2966



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



30.6208, 0.2517, 0.2207



33.5220, 0.2358, 0.1934



35.0542, 0.2860, 0.2304



13.2992, 0.2994, 0.3048



3.2350, 0.1529, 0.0616



0.2440, 0.1608, 0.0659

Inverse Universe

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



39.4974, 0.3233, 0.2458



47.4601, 0.3259, 0.2289



63.2699, 0.3311, 0.4313



13.9143, 0.3151, 0.3078



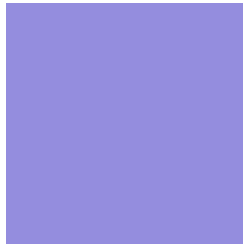
11.7921, 0.3437, 0.1667



0.8234, 0.3397, 0.1645

Previews

White Background



This preview shows how the Yxy color 30.6196, 0.2517, 0.2207 looks on a white background.

Color Contrast Check

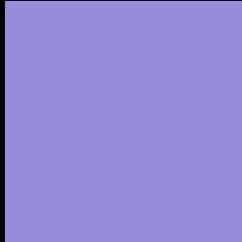
Large Text (above 18pt) WCAG AA × Fail

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 30.6196, 0.2517, 0.2207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

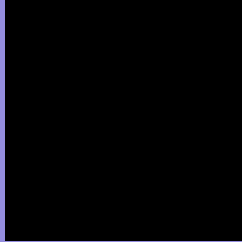
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.6196, 0.2517, 0.2207

Background



This preview shows how black text looks on a background with the Yxy color 30.6196, 0.2517, 0.2207.



This preview shows how white text looks on a background with the Yxy color 30.6196, 0.2517, 0.2207.

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

30.6196, 0.2517, 0.2207

Protanopia

30.9188, 0.2310, 0.2190

Deuteranopia

30.7271, 0.2350, 0.2289



Tritanopia

30.7333, 0.2859, 0.3101

Trichromacy



Original Color

30.6196, 0.2517, 0.2207

Protanomaly

30.5671, 0.2374, 0.2185

Deuteranomaly

30.6035, 0.2406, 0.2252

Tritanomaly

30.6155, 0.2721, 0.2738

Monochromacy



Original Color

30.6196, 0.2517, 0.2207

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.9334, 0.2893, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6196, 0.2517, 0.2207 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(148, 141, 222)` looks like.

```
.text, #text, p{  
    color:rgb(148, 141, 222)  
}
```

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(148, 141, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 141, 222) }
```

Border

The CSS property to change the border of an element to Yxy 30.6196, 0.2517, 0.2207 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(148, 141, 222) }
```

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

```
.border{ border-color:rgb(148, 141, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 141, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 141, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 141, 222);  
box-shadow:4px 4px 4px 4px rgb(148, 141,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6196, 0.2517, 0.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 141, 222) }
```

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

```
.background{ background-color: rgb(148,  
141, 222) }
```

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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