

Converting Colors

$Yxy(40.7087, 0.2757, 0.2492)$

Have a look what the booklet for
Yxy(40.7087, 0.2757, 0.2492)
contains.

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Color

Yxy(40.7966, 0.2757, 0.2499)

Conversions

Conversions Part 1

Format	Color
Hex	B2A2E2
RGB	178, 162, 226
RGB Percent	70%, 64%, 89%
CMY	0.3019, 0.3647, 0.1138
CMYK	0.21, 0.28, 0.00, 0.11
HSL	255°, 52%, 76%
HSV	255°, 28%, 89%
XYZ	45.0085, 40.7966, 77.4466
YIQ	174.0800, -11.0080, 23.2960

Conversions

Conversions Part 2

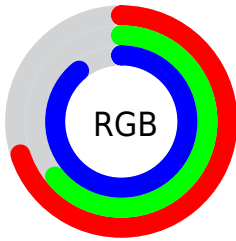
Format	Color
R_{YB}	178, 162, 226
Decimal	11707106
CIE _{Lab}	70.03, 18.89, -30.20
CIE _{LCh}	70, 35.618, 302.028
Yxy	40.7966, 0.2757, 0.2499
Android (android.graphics.Color)	4289897186 (0xFFB2A2E2)
YUV	174.0800, 25.5966, 3.4378
Hunter-Lab	63.8722, 14.0063, -27.1800

Details

The Yxy color $40.7966, 0.2757, 0.2499$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $70.6952, 0.3433, 0.4025$, and the grayscale version is $42.2424, 0.3127, 0.3290$.

A 20% lighter version of the original color is $74.3381, 0.2999, 0.2903$, and $18.3392, 0.2645, 0.2294$ is the 20% darker color. If you saturate the color by 10%, you get $31.6567, 0.2594, 0.2176$, and if you desaturate by 10%, it is $51.6180, 0.2904, 0.2802$.

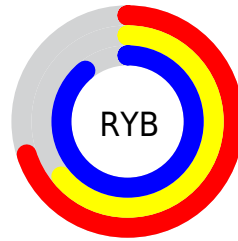
Distribution



Red (70%)

Green (64%)

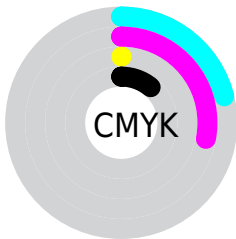
Blue (89%)



Red (70%)

Yellow (64%)

Blue (89%)

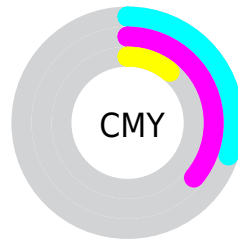


Cyan (21%)

Magenta (28%)

Yellow (0%)

Black (11%)



Cyan (30%)


Magenta (36%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.7966, 0.2757, 0.2499 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 40.7966, 0.2757, 0.2499 by changing the saturation by 10% instead.


 40.7966, 0.2757,
0.2499


 40.7966, 0.2757,
0.2499


349.4698, 0.2948,
0.2881

 28.1602, 0.2708,
0.2408


 76.3750, 0.2828,
0.2635

 18.4464, 0.2645,
0.2295


 100.0858, 0.2854,
0.2686

 11.2710, 0.2560,
0.2149


128.2569, 0.2876,
0.2731

 6.2494, 0.2442,
0.1956

161.2726, 0.2895,
0.2769

 2.9973, 0.2268,
0.1691

199.5173, 0.2911,
0.2803

 1.1303, 0.1991,
0.1314

243.3755, 0.2925,

 0.0037, 0.1498,

0.2832

0.0012

293.2315, 0.2937,
0.2858

0.0000, 0.0000,
0.0000

40.7966, 0.2757,
0.2499

40.7966, 0.2757,
0.2499

31.6567, 0.2594,
0.2176

51.6180, 0.2904,
0.2802

24.1078, 0.2418,
0.1846

64.1955, 0.3033,
0.3080

18.0581, 0.2236,
0.1522

78.6051, 0.3145,
0.3330

13.4044, 0.2058,
0.1227

94.9167, 0.3241,
0.3552

10.0300, 0.1894,
0.0981

98.2705, 0.3298,
0.3572

■ 7.7981, 0.1756,
0.0800

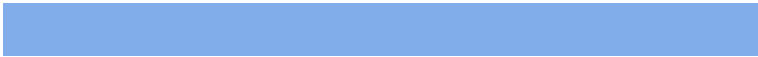
■ 6.5153, 0.1650,
0.0690

■ 6.3470, 0.1635,
0.0675

Harmonies

Analogous

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



40.7966, 0.2379, 0.2478



40.7966, 0.2757, 0.2499



40.7966, 0.3268, 0.2693

Triad

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



40.7966, 0.2757, 0.2499



40.7966, 0.4145, 0.3821



40.7966, 0.2491, 0.3547

Complementary

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



40.7966, 0.2757, 0.2499



70.6952, 0.3433, 0.4025

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.



40.7966, 0.2927, 0.4017



40.7966, 0.2757, 0.2499



40.7966, 0.3890, 0.4134

Square

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



40.7966, 0.2757, 0.2499



40.7966, 0.4109, 0.3418



40.7966, 0.3439, 0.4233



40.7966, 0.2235, 0.3033

Rectangle

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



40.7966, 0.2757, 0.2499



40.7966, 0.3619, 0.2899



40.7966, 0.3439, 0.4233



40.7966, 0.2620, 0.3720

Sweetspot

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



40.7982, 0.2757, 0.2499



84.8814, 0.3036, 0.3087



59.2621, 0.2697, 0.3093



17.5973, 0.3018, 0.3047



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.



40.7982, 0.2757, 0.2499



46.2825, 0.2662, 0.2310



45.0325, 0.3023, 0.2557



13.4081, 0.3019, 0.3050



3.6686, 0.1648, 0.0682



0.2962, 0.1804, 0.0768

Inverse Universe

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



46.6607, 0.3297, 0.2751



55.2769, 0.3342, 0.2637



66.4613, 0.3199, 0.4082



13.8740, 0.3176, 0.3116



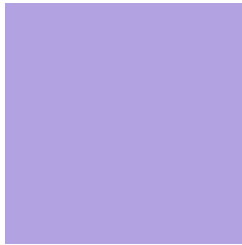
10.8882, 0.3960, 0.1955



0.7688, 0.3820, 0.1878

Previews

White Background



This preview shows how the Yxy color 40.7966, 0.2757, 0.2499 looks on a white background.

Color Contrast Check

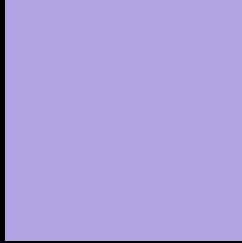
Large Text (above 18pt) WCAG AA × Fail

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 40.7966, 0.2757, 0.2499 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 40.7966, 0.2757, 0.2499

Background



This preview shows how black text looks on a background with the Yxy color 40.7966, 0.2757, 0.2499.



This preview shows how white text looks on a background with the Yxy color 40.7966, 0.2757, 0.2499.

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

40.7966, 0.2757, 0.2499

Protanopia

40.9178, 0.2546, 0.2496

Deuteranopia

40.8124, 0.2625, 0.2557



Tritanopia

40.7562, 0.3012, 0.3100

Trichromacy



Original Color

40.7966, 0.2757, 0.2499

Protanomaly

40.6110, 0.2618, 0.2491

Deuteranomaly

40.8157, 0.2674, 0.2541

Tritanomaly

40.6452, 0.2919, 0.2868

Monochromacy



Original Color

40.7966, 0.2757, 0.2499

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.7137, 0.2984, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7966, 0.2757, 0.2499 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, 162, 226)` looks like.

```
.text, #text, p{  
    color:rgb(178, 162, 226)  
}
```

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, 162, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 162, 226) }
```

Border

The CSS property to change the border of an element to Yxy 40.7966, 0.2757, 0.2499 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, 162, 226) }
```

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

```
.border{ border-color:rgb(178, 162, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 162, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 162, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 162, 226);  
box-shadow:4px 4px 4px 4px rgb(178, 162,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7966, 0.2757, 0.2499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 162, 226) }
```

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

```
.background{ background-color: rgb(178,  
162, 226) }
```

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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