

Converting Colors

$Y_{xy}(10.2430, 0.4127, 0.2217)$

Have a look what the booklet for
Yxy(10.2430, 0.4127, 0.2217)
contains.

Yxy(10.2473, 0.4127, 0.2218)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(10.2473, 0.4127, 0.2218)

Conversions

Conversions Part 1

Format	Color
Hex	A52072
RGB	165, 32, 114
RGB Percent	65%, 13%, 45%
CMY	0.3530, 0.8743, 0.5530
CMYK	0.00, 0.81, 0.31, 0.35
HSL	323°, 67%, 39%
HSV	323°, 81%, 65%
XYZ	19.0670, 10.2473, 16.8863
YIQ	81.1150, 52.9460, 53.6980

Conversions

Conversions Part 2

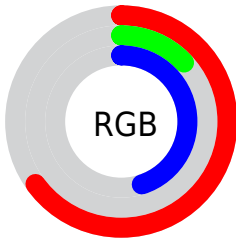
Format	Color
R_{YB}	165, 32, 114
Decimal	10821746
CIE _{Lab}	38.28, 58.72, -13.86
CIE _{LCh}	38, 60.334, 346.716
Yxy	10.2473, 0.4127, 0.2218
Android (android.graphics.Color)	4289011826 (0xFFA52072)
YUV	81.1150, 16.2123, 73.5671
Hunter-Lab	32.0114, 50.3003, -8.8681

Details

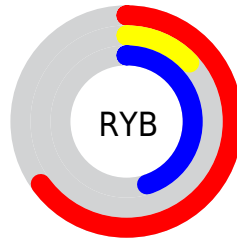
The Yxy color **10.2473, 0.4127, 0.2218** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **27.8370, 0.2778, 0.4954**, and the grayscale version is **8.2170, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.2548, 0.3886, 0.2461**, and **3.5815, 0.4420, 0.2208** is the 20% darker color. If you saturate the color by 10%, you get **9.4302, 0.4299, 0.2206**, and if you desaturate by 10%, it is **11.5205, 0.3956, 0.2279**.

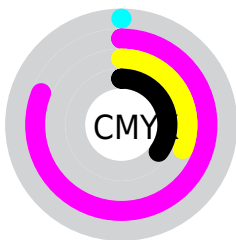
Distribution



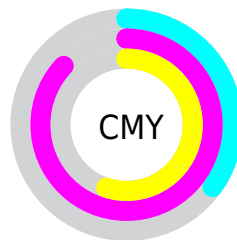
- Red (65%)
- Green (13%)
- Blue (45%)



- Red (65%)
- Yellow (13%)
- Blue (45%)



- Cyan (0%)
- Magenta (81%)
- Yellow (31%)
- Black (35%)




- Cyan (35%)
- Magenta (87%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.2473, 0.4127, 0.2218 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 10.2473, 0.4127, 0.2218 by changing the saturation by 10% instead.


 10.2473, 0.4127,
0.2218


 10.2473, 0.4127,
0.2218


192.4281, 0.3532,
0.2835


 5.5632, 0.4318,
0.2032


 26.2596, 0.3882,
0.2465


 2.5814, 0.4597,
0.1772

 38.3567, 0.3800,
0.2550


 0.9173, 0.5033,
0.1392

 53.6935, 0.3733,
0.2620

 0.0000, 0.6345,
0.0000

 72.6545, 0.3679,
0.2678

 0.0000, 1.0000,
0.0000

 95.6240, 0.3633,
0.2727

 0.0000, 0.0000,
0.0000

 122.9866, 0.3594,

0.2768

155.1265, 0.3561,
0.2804

■ 10.2473, 0.4127,
0.2218

■ 10.2473, 0.4127,
0.2218

■ 9.4302, 0.4299,
0.2206

■ 11.5205, 0.3956,
0.2279

■ 8.9503, 0.4461,
0.2231

■ 13.3069, 0.3793,
0.2379

■ 15.6571, 0.3643,
0.2510

■ 18.6148, 0.3509,
0.2658

■ 22.2197, 0.3391,
0.2816

■ 26.5079, 0.3290,
0.2976

■ 31.5129, 0.3203,
0.3132

■ 37.2660, 0.3131,
0.3282

■ 43.7967, 0.3070,
0.3422

Harmonies

Analogous

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



10.2473, 0.2719, 0.1707



10.2473, 0.4127, 0.2218



10.2473, 0.5371, 0.2914

Triad

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



10.2473, 0.4127, 0.2218



10.2473, 0.4166, 0.5524



10.2473, 0.1064, 0.2006

Complementary

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



10.2473, 0.4127, 0.2218



27.8370, 0.2778, 0.4954

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.



10.2473, 0.1261, 0.3106



10.2473, 0.4127, 0.2218



10.2473, 0.2999, 0.5887

Square

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



10.2473, 0.4127, 0.2218



10.2473, 0.5183, 0.4589



10.2473, 0.1927, 0.4825



10.2473, 0.1220, 0.1542

Rectangle

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



10.2473, 0.4127, 0.2218



10.2473, 0.5714, 0.3421



10.2473, 0.1927, 0.4825



10.2473, 0.1086, 0.2288

Sweetspot

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



10.2479, 0.4127, 0.2218



44.3633, 0.3327, 0.2914



5.5915, 0.2069, 0.1064



9.1361, 0.3361, 0.2860



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.



10.2479, 0.4127, 0.2218



16.2004, 0.4437, 0.2233



9.2432, 0.5620, 0.3138



7.1559, 0.3193, 0.3152



6.7826, 0.4445, 0.2222



0.1513, 0.3897, 0.1920

Inverse Universe

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



10.2479, 0.4127, 0.2218



16.2004, 0.4437, 0.2233



29.3966, 0.2374, 0.3577



7.1559, 0.3193, 0.3152



6.7826, 0.4445, 0.2222



0.1513, 0.3897, 0.1920

Previews

White Background



This preview shows how the Yxy color 10.2473, 0.4127, 0.2218 looks on a white 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

Black Background



This preview shows how the Yxy color 10.2473, 0.4127, 0.2218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

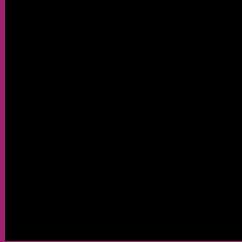
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2473, 0.4127, 0.2218

Background



This preview shows how black text looks on a background with the Yxy color 10.2473, 0.4127, 0.2218.



This preview shows how white text looks on a background with the Yxy color 10.2473, 0.4127, 0.2218.

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

10.2473, 0.4127, 0.2218

Protanopia

10.6013, 0.2123, 0.1940

Deuteranopia

10.5334, 0.2930, 0.2874



Tritanopia

10.3089, 0.5249, 0.3257

Trichromacy



Original Color

10.2473, 0.4127, 0.2218

Protanomaly

8.7944, 0.2598, 0.1878

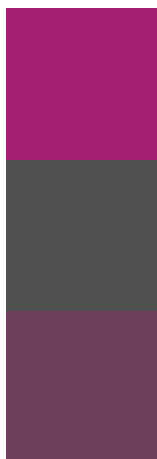
Deuteranomaly

9.1820, 0.3327, 0.2446

Tritanomaly

10.0800, 0.4884, 0.2872

Monochromacy



Original Color

10.2473, 0.4127, 0.2218

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

7.7901, 0.3533, 0.2638

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2473, 0.4127, 0.2218 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(165, 32, 114)` looks like.

```
.text, #text, p{  
    color:rgb(165, 32, 114)  
}
```

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(165, 32, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 32, 114) }
```

Border

The CSS property to change the border of an element to Yxy 10.2473, 0.4127, 0.2218 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(165, 32, 114) }
```

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

```
.border{ border-color:rgb(165, 32, 114) }
```

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

Here you see how a box with a 4 pixel rgb(165, 32, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 32, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 32, 114);  
box-shadow:4px 4px 4px 4px rgb(165, 32,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2473, 0.4127, 0.2218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 32, 114) }
```

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

```
.background{ background-color: rgb(165, 32,  
114) }
```

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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