

Converting Colors

$Y_{xy}(10.1971, 0.2673, 0.2017)$

Have a look what the booklet for
Yxy(10.1971, 0.2673, 0.2017)
contains.

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Color

Yxy(10.2477, 0.2672, 0.2024)

Conversions

Conversions Part 1

Format	Color
Hex	6B4C8E
RGB	107, 76, 142
RGB Percent	42%, 30%, 56%
CMY	0.5805, 0.7019, 0.4432
CMYK	0.25, 0.46, 0.00, 0.44
HSL	268°, 30%, 43%
HSV	268°, 46%, 56%
XYZ	13.5286, 10.2477, 26.8546
YIQ	92.7930, -2.7100, 27.0980

Conversions

Conversions Part 2

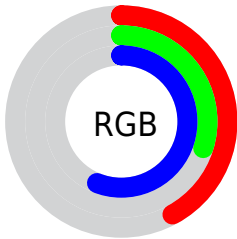
Format	Color
R_{YB}	107, 76, 142
Decimal	7031950
CIE _{Lab}	38.28, 27.08, -31.83
CIE _{LCh}	38, 41.793, 310.388
Yxy	10.2477, 0.2672, 0.2024
Android (android.graphics.Color)	4285222030 (0xFF6B4C8E)
YUV	92.7930, 24.2591, 12.4595
Hunter-Lab	32.0120, 19.4147, -27.3295

Details

The Yxy color **10.2477, 0.2672, 0.2024** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **23.2479, 0.3426, 0.4542**, and the grayscale version is **10.8388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **26.3808, 0.2802, 0.2315**, and **2.5537, 0.2409, 0.1523** is the 20% darker color. If you saturate the color by 10%, you get **8.0557, 0.2543, 0.1737**, and if you desaturate by 10%, it is **12.9131, 0.2792, 0.2317**.

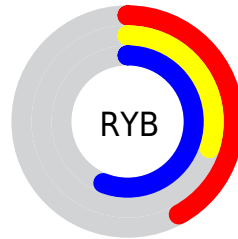
Distribution



Red (42%)

Green (30%)

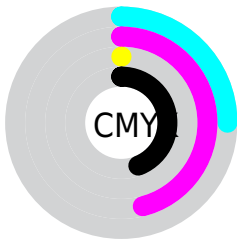
Blue (56%)



Red (42%)

Yellow (30%)

Blue (56%)

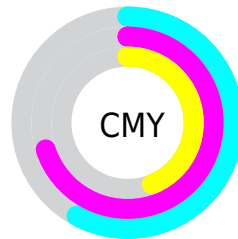


Cyan (25%)

Magenta (46%)

Yellow (0%)

Black (44%)



Cyan (58%)

Magenta (70%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 10.2477, 0.2672, 0.2024 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 10.2477, 0.2672, 0.2024 by changing the saturation by 10% instead.

■ 10.2477, 0.2672,
0.2024

■ 10.2477, 0.2672,
0.2024

■ 192.4309, 0.2965,
0.2745

■ 5.5635, 0.2567,
0.1814

■ 26.2604, 0.2799,
0.2308

■ 2.5815, 0.2408,
0.1529

■ 38.3576, 0.2840,
0.2409

■ 0.9174, 0.2146,
0.1132

■ 53.6947, 0.2873,
0.2490

■ 0.0000, 0.1640,
0.0000

■ 72.6560, 0.2898,
0.2559

■ 0.0000, 0.0000,
0.0000

■ 95.6258, 0.2920,
0.2616

122.9887, 0.2937,

0.2665

155.1289, 0.2952,
0.2708

■ 10.2477, 0.2672,
0.2024

■ 10.2477, 0.2672,
0.2024

■ 8.0557, 0.2543,
0.1737

■ 12.9131, 0.2792,
0.2317

■ 6.3061, 0.2408,
0.1470

■ 16.0777, 0.2901,
0.2604

■ 4.9661, 0.2273,
0.1237

■ 19.7671, 0.2997,
0.2879

■ 3.9973, 0.2144,
0.1049

■ 24.0045, 0.3080,
0.3135

■ 3.3384, 0.2026,
0.0912

■ 28.8117, 0.3151,
0.3371

■ 3.1340, 0.1986,
0.0868

■ 34.2094, 0.3211,
0.3585

■ 40.2173, 0.3262,
0.3777

■ 46.8540, 0.3305,
0.3950

■ 54.1374, 0.3340,
0.4104

Harmonies

Analogous

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



10.2477, 0.1976, 0.1890



10.2477, 0.2672, 0.2024



10.2477, 0.3633, 0.2398

Triad

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



10.2477, 0.2672, 0.2024



10.2477, 0.4830, 0.4267



10.2477, 0.1832, 0.3441

Complementary

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



10.2477, 0.2672, 0.2024



23.2479, 0.3426, 0.4542

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.



10.2477, 0.2468, 0.4513



10.2477, 0.2672, 0.2024



10.2477, 0.4195, 0.4870

Square

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



10.2477, 0.2672, 0.2024



10.2477, 0.5005, 0.3591



10.2477, 0.3336, 0.5076



10.2477, 0.1553, 0.2534

Rectangle

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



10.2477, 0.2672, 0.2024



10.2477, 0.4281, 0.2751



10.2477, 0.3336, 0.5076



10.2477, 0.2006, 0.3809

Sweetspot

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



10.2481, 0.2672, 0.2024



36.4039, 0.3016, 0.2936



14.9031, 0.2414, 0.2651



7.8276, 0.2999, 0.2886



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



10.2481, 0.2672, 0.2024



13.9675, 0.2533, 0.1718



12.6811, 0.3146, 0.2186



5.3713, 0.3058, 0.3068



2.8248, 0.1990, 0.0870



0.0399, 0.2485, 0.1142

Inverse Universe

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



12.0690, 0.3677, 0.2671



17.7526, 0.3868, 0.2543



21.4955, 0.3081, 0.4686



5.4689, 0.3204, 0.3174



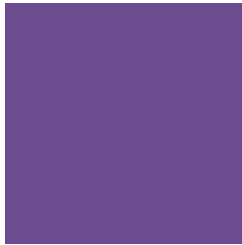
5.6275, 0.4780, 0.2407



0.0583, 0.3962, 0.1956

Previews

White Background



This preview shows how the Yxy color 10.2477, 0.2672, 0.2024 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 10.2477, 0.2672, 0.2024 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

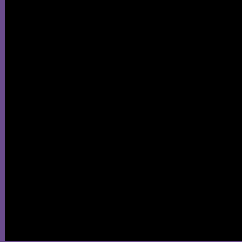
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.2477, 0.2672, 0.2024

Background



This preview shows how black text looks on a background with the Yxy color 10.2477, 0.2672, 0.2024.



This preview shows how white text looks on a background with the Yxy color 10.2477, 0.2672, 0.2024.

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

10.2477, 0.2672, 0.2024

Protanopia

10.3361, 0.2124, 0.1944

Deuteranopia

10.3347, 0.2259, 0.2210



Tritanopia

10.2212, 0.3201, 0.3126

Trichromacy



Original Color

10.2477, 0.2672, 0.2024

Protanomaly

10.1728, 0.2283, 0.1965

Deuteranomaly

10.1398, 0.2386, 0.2126

Tritanomaly

10.1009, 0.2995, 0.2671

Monochromacy



Original Color

10.2477, 0.2672, 0.2024

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.5608, 0.2950, 0.2753

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.2477, 0.2672, 0.2024 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(107, 76, 142)` looks like.

```
.text, #text, p{  
    color:rgb(107, 76, 142)  
}
```

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(107, 76, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 76, 142) }
```

Border

The CSS property to change the border of an element to Yxy 10.2477, 0.2672, 0.2024 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(107, 76, 142) }
```

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

```
.border{ border-color:rgb(107, 76, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 76, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 76, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 76, 142);  
box-shadow:4px 4px 4px 4px rgb(107, 76,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 10.2477, 0.2672, 0.2024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 76, 142) }
```

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

```
.background{ background-color: rgb(107, 76,  
142) }
```

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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