

Converting Colors

$Y_{xy}(12.9796, 0.2404, 0.1953)$

Have a look what the booklet for
Yxy(12.9796, 0.2404, 0.1953)
contains.

Yxy(13.0020, 0.2396, 0.1948)	3
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Color

Yxy(13.0020, 0.2396, 0.1948)

Conversions

Conversions Part 1

Format	Color
Hex	655BA6
RGB	101, 91, 166
RGB Percent	40%, 36%, 65%
CMY	0.6039, 0.6431, 0.3490
CMYK	0.39, 0.45, 0.00, 0.35
HSL	248°, 30%, 50%
HSV	248°, 45%, 65%
XYZ	15.9922, 13.0020, 37.7512
YIQ	102.5400, -18.1150, 25.4450

Conversions

Conversions Part 2

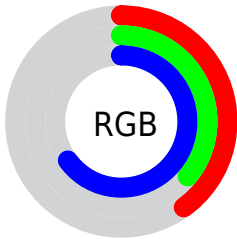
Format	Color
R_{YB}	101, 91, 166
Decimal	6642598
CIE _{Lab}	42.77, 22.73, -39.18
CIE _{LCh}	43, 45.298, 300.118
Yxy	13.0020, 0.2396, 0.1948
Android (android.graphics.Color)	4284832678 (0xFF655BA6)
YUV	102.5400, 31.2858, -1.3506
Hunter-Lab	36.0583, 16.0644, -36.8328

Details

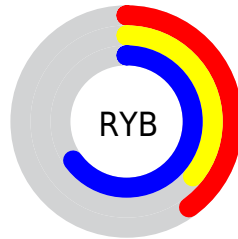
The Yxy color **13.0020, 0.2396, 0.1948** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.1029, 0.3679, 0.4417**, and the grayscale version is **13.3561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2922, 0.2574, 0.2223**, and **3.7220, 0.2076, 0.1490** is the 20% darker color. If you saturate the color by 10%, you get **9.7122, 0.2201, 0.1613**, and if you desaturate by 10%, it is **17.0660, 0.2585, 0.2283**.

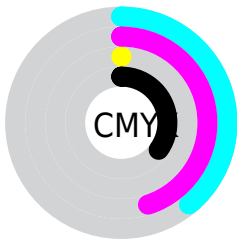
Distribution



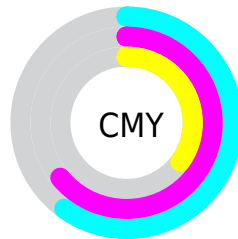
- Red (40%)
- Green (36%)
- Blue (65%)



- Red (40%)
- Yellow (36%)
- Blue (65%)



- Cyan (39%)
- Magenta (45%)
- Yellow (0%)
- Black (35%)





- Cyan (60%)
- Magenta (64%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0020, 0.2396, 0.1948 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 13.0020, 0.2396, 0.1948 by changing the saturation by 10% instead.


 13.0020, 0.2396,
0.1948


 13.0020, 0.2396,
0.1948


210.9305, 0.2834,
0.2686


 7.4299, 0.2260,
0.1747


 31.3074, 0.2575,
0.2230


 3.7324, 0.2068,
0.1484

 44.8095, 0.2636,
0.2332


 1.5250, 0.1786,
0.1134

 61.7237, 0.2685,
0.2417

 0.3062, 0.1379,
0.0499

 82.4344, 0.2726,
0.2488

 0.0000, 0.0000,
0.0000

 107.3261, 0.2759,
0.2549

136.7830, 0.2788,

0.2601

171.1897, 0.2813,
0.2646

■ 13.0020, 0.2396,
0.1948

■ 13.0020, 0.2396,
0.1948

■ 9.7122, 0.2201,
0.1613

■ 17.0660, 0.2585,
0.2283

■ 7.1458, 0.2010,
0.1297

■ 21.9478, 0.2762,
0.2603

■ 5.2478, 0.1837,
0.1024

■ 27.6896, 0.2921,
0.2898

■ 3.9552, 0.1695,
0.0814

■ 34.3300, 0.3061,
0.3164

■ 3.1894, 0.1592,
0.0679

■ 41.9056, 0.3184,
0.3400

■ 2.9260, 0.1555,
0.0630

■ 50.4506, 0.3289,
0.3607

■ 59.9977, 0.3380,
0.3788

■ 70.5780, 0.3457,
0.3946

■ 82.2213, 0.3523,
0.4083

Harmonies

Analogous

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



13.0020, 0.1812, 0.1904



13.0020, 0.2396, 0.1948



13.0020, 0.3288, 0.2245

Triad

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



13.0020, 0.2396, 0.1948



13.0020, 0.4955, 0.4036



13.0020, 0.2010, 0.3819

Complementary

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



13.0020, 0.2396, 0.1948



35.1029, 0.3679, 0.4417

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.



13.0020, 0.2750, 0.4797



13.0020, 0.2396, 0.1948



13.0020, 0.4450, 0.4687

Square

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



13.0020, 0.2396, 0.1948



13.0020, 0.4925, 0.3365



13.0020, 0.3643, 0.5081



13.0020, 0.1607, 0.2799

Rectangle

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



13.0020, 0.2396, 0.1948



13.0020, 0.3960, 0.2560



13.0020, 0.3643, 0.5081



13.0020, 0.2225, 0.4187

Sweetspot

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



13.0025, 0.2396, 0.1948



51.2910, 0.2935, 0.2924



28.7596, 0.2502, 0.3117



10.9551, 0.2903, 0.2865



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.0025, 0.2396, 0.1948



17.7211, 0.2204, 0.1619



15.6824, 0.2830, 0.2095



7.3467, 0.3006, 0.3058



2.2808, 0.1560, 0.0633



0.0695, 0.1784, 0.0756

Inverse Universe

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



17.9912, 0.3306, 0.2335



27.9948, 0.3354, 0.2152



31.9210, 0.3303, 0.4571



7.6491, 0.3157, 0.3097



7.8496, 0.3570, 0.1741



0.1956, 0.3435, 0.1666

Previews

White Background



This preview shows how the Yxy color 13.0020, 0.2396, 0.1948 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 13.0020, 0.2396, 0.1948 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

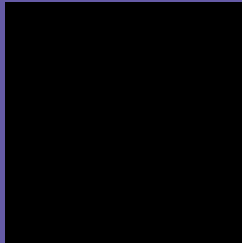
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 13.0020, 0.2396, 0.1948

Background



This preview shows how black text looks on a background with the Yxy color 13.0020, 0.2396, 0.1948.



This preview shows how white text looks on a background with the Yxy color 13.0020, 0.2396, 0.1948.

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

13.0020, 0.2396, 0.1948

Protanopia

13.1698, 0.2089, 0.1912

Deuteranopia

13.0445, 0.2115, 0.2058



Tritanopia

12.9451, 0.2813, 0.3086

Trichromacy



Original Color

13.0020, 0.2396, 0.1948

Protanomaly

12.9735, 0.2185, 0.1923

Deuteranomaly

12.8438, 0.2197, 0.1997

Tritanomaly

12.9168, 0.2645, 0.2600

Monochromacy



Original Color

13.0020, 0.2396, 0.1948

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2548, 0.2824, 0.2731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0020, 0.2396, 0.1948 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(101, 91, 166)` looks like.

```
.text, #text, p{  
    color:rgb(101, 91, 166)  
}
```

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(101, 91, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 91, 166) }
```

Border

The CSS property to change the border of an element to Yxy 13.0020, 0.2396, 0.1948 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(101, 91, 166) }
```

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

```
.border{ border-color:rgb(101, 91, 166) }
```

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

Here you see how a box with a 4 pixel rgb(101, 91, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 91, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 91, 166);  
box-shadow:4px 4px 4px 4px rgb(101, 91,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0020, 0.2396, 0.1948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 91, 166) }
```

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

```
.background{ background-color: rgb(101, 91,  
166) }
```

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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