

Converting Colors

$Y_{xy}(13.3642, 0.2490, 0.2237)$

Have a look what the booklet for
Yxy(13.3642, 0.2490, 0.2237)
contains.

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Color

Yxy(13.3578, 0.2490, 0.2236)

Conversions

Conversions Part 1

Format	Color
Hex	616198
RGB	97, 97, 152
RGB Percent	38%, 38%, 60%
CMY	0.6195, 0.6196, 0.4039
CMYK	0.36, 0.36, 0.00, 0.40
HSL	240°, 22%, 49%
HSV	240°, 36%, 60%
XYZ	14.8752, 13.3578, 31.5067
YIQ	103.2700, -17.6550, 17.1050

Conversions

Conversions Part 2

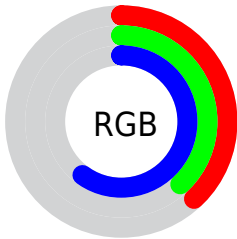
Format	Color
R_{YB}	97, 97, 152
Decimal	6381976
CIE _{Lab}	43.30, 13.86, -30.05
CIE _{LCh}	43, 33.089, 294.758
Yxy	13.3578, 0.2490, 0.2236
Android (android.graphics.Color)	4284572056 (0xFF616198)
YUV	103.2700, 24.0239, -5.4988
Hunter-Lab	36.5483, 8.6900, -25.5275

Details

The Yxy color **13.3578, 0.2490, 0.2236** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **29.9977, 0.3655, 0.4164**, and the grayscale version is **13.5788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0744, 0.2640, 0.2472**, and **3.9116, 0.2195, 0.1825** is the 20% darker color. If you saturate the color by 10%, you get **10.0570, 0.2281, 0.1890**, and if you desaturate by 10%, it is **17.3577, 0.2689, 0.2566**.

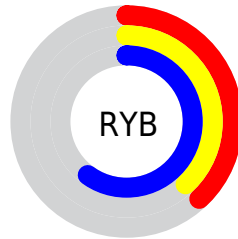
Distribution



Red (38%)

Green (38%)

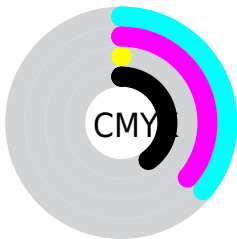
Blue (60%)



Red (38%)

Yellow (38%)

Blue (60%)

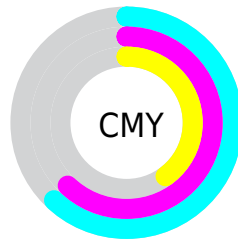


Cyan (36%)

Magenta (36%)

Yellow (0%)

Black (40%)



Cyan (62%)

Magenta (62%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.3578, 0.2490, 0.2236 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 13.3578, 0.2490, 0.2236 by changing the saturation by 10% instead.

■ 13.3578, 0.2490,
0.2236

■ 13.3578, 0.2490,
0.2236

■ 213.1982, 0.2871,
0.2833

■ 7.6754, 0.2369,
0.2062

■ 31.9451, 0.2646,
0.2471

■ 3.8879, 0.2197,
0.1825

■ 45.6188, 0.2699,
0.2554

■ 1.6111, 0.1934,
0.1489

■ 62.7250, 0.2742,
0.2622

■ 0.3651, 0.1521,
0.0810

■ 83.6482, 0.2777,
0.2678

■ 0.0000, 0.0000,
0.0000

■ 108.7727, 0.2806,
0.2726

■ 138.4829, 0.2831,

0.2767

173.1633, 0.2852,
0.2802

■ 13.3578, 0.2490,
0.2236

■ 13.3578, 0.2490,
0.2236

■ 10.0570, 0.2281,
0.1890

■ 17.3577, 0.2689,
0.2566

■ 7.4139, 0.2072,
0.1545

■ 22.0920, 0.2872,
0.2868

■ 5.3848, 0.1879,
0.1225

■ 27.5955, 0.3036,
0.3139

■ 3.9204, 0.1715,
0.0955

■ 33.9004, 0.3180,
0.3377

■ 2.9635, 0.1595,
0.0757

■ 41.0367, 0.3304,
0.3583

■ 2.4310, 0.1523,
0.0638

■ 49.0333, 0.3412,
0.3762

■ 2.2682, 0.1500,
0.0600

■ 57.9175, 0.3505,
0.3915

■ 67.7154, 0.3585,
0.4047

■ 78.4521, 0.3653,
0.4161

Harmonies

Analogous

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



13.3578, 0.2068, 0.2255



13.3578, 0.2490, 0.2236



13.3578, 0.3130, 0.2436

Triad

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



13.3578, 0.2490, 0.2236



13.3578, 0.4515, 0.3827



13.3578, 0.2395, 0.3812

Complementary

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



13.3578, 0.2490, 0.2236



29.9977, 0.3655, 0.4164

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.



13.3578, 0.3001, 0.4414



13.3578, 0.2490, 0.2236



13.3578, 0.4238, 0.4304

Square

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



13.3578, 0.2490, 0.2236



13.3578, 0.4378, 0.3300



13.3578, 0.3676, 0.4572



13.3578, 0.2011, 0.3079

Rectangle

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



13.3578, 0.2490, 0.2236



13.3578, 0.3614, 0.2671



13.3578, 0.3676, 0.4572



13.3578, 0.2578, 0.4047

Sweetspot

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



13.3583, 0.2490, 0.2236



43.6518, 0.2956, 0.3007



27.2701, 0.2632, 0.3289



9.6524, 0.2936, 0.2974



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



13.3583, 0.2490, 0.2236



19.0155, 0.2331, 0.1972



15.1380, 0.2814, 0.2324



6.0265, 0.2988, 0.3060



1.9015, 0.1500, 0.0600



0.0285, 0.1502, 0.0601

Inverse Universe

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



17.4909, 0.3168, 0.2421



27.3521, 0.3177, 0.2249



27.6473, 0.3354, 0.4259



6.3236, 0.3138, 0.3071



7.4951, 0.3211, 0.1542



0.1121, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 13.3578, 0.2490, 0.2236 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 13.3578, 0.2490, 0.2236 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

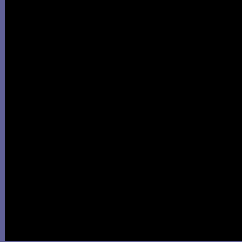
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3578, 0.2490, 0.2236

Background



This preview shows how black text looks on a background with the Yxy color 13.3578, 0.2490, 0.2236.

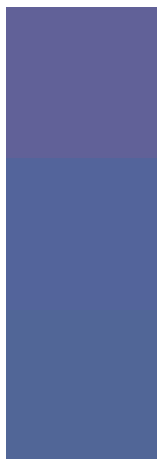


This preview shows how white text looks on a background with the Yxy color 13.3578, 0.2490, 0.2236.

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

13.3578, 0.2490, 0.2236

Protanopia

13.3199, 0.2332, 0.2213

Deuteranopia

13.4864, 0.2352, 0.2310



Tritanopia

13.3701, 0.2804, 0.3110

Trichromacy



Original Color

13.3578, 0.2490, 0.2236

Protanomaly

13.3315, 0.2385, 0.2220

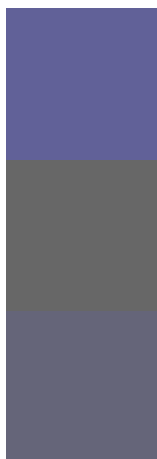
Deuteranomaly

13.3749, 0.2403, 0.2284

Tritanomaly

13.2592, 0.2680, 0.2756

Monochromacy



Original Color

13.3578, 0.2490, 0.2236

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.4545, 0.2872, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3578, 0.2490, 0.2236 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 $rgb(97, 97, 152)$ looks like.

```
.text, #text, p{  
    color:rgb(97, 97, 152)  
}
```

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(97, 97, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 97, 152) }
```

Border

The CSS property to change the border of an element to Yxy 13.3578, 0.2490, 0.2236 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(97, 97, 152) }
```

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

```
.border{ border-color:rgb(97, 97, 152) }
```

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

Here you see how a box with a 4 pixel rgb(97, 97, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 97, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 97, 152);  
box-shadow:4px 4px 4px 4px rgb(97, 97,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3578, 0.2490, 0.2236 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 97, 152) }
```

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

```
.background{ background-color: rgb(97, 97,  
152) }
```

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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