

Converting Colors

$Y_{xy}(20.7239, 0.2497, 0.2312)$

Have a look what the booklet for
Yxy(20.7239, 0.2497, 0.2312)
contains.

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Color

Yxy(20.7239, 0.2497, 0.2312)

Conversions

Conversions Part 1

Format	Color
Hex	7479B5
RGB	116, 121, 181
RGB Percent	45%, 47%, 71%
CMY	0.5450, 0.5255, 0.2902
CMYK	0.36, 0.33, 0.00, 0.29
HSL	235°, 30%, 58%
HSV	235°, 36%, 71%
XYZ	22.3822, 20.7239, 46.5302
YIQ	126.3450, -22.2400, 17.6000

Conversions

Conversions Part 2

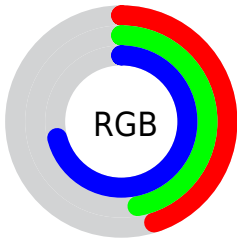
Format	Color
R_{YB}	116, 121, 181
Decimal	7633333
CIE _{Lab}	52.65, 12.87, -32.29
CIE _{LCh}	53, 34.762, 291.738
Yxy	20.7239, 0.2497, 0.2312
Android (android.graphics.Color)	4285823413 (0xFF7479B5)
YUV	126.3450, 26.9449, -9.0726
Hunter-Lab	45.5235, 8.0955, -28.7346

Details

The Yxy color $20.7239, 0.2497, 0.2312$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $42.1444, 0.3680, 0.4109$, and the grayscale version is $20.9016, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.5476, 0.2635, 0.2508$, and $7.4136, 0.2255, 0.1992$ is the 20% darker color. If you saturate the color by 10%, you get $15.8858, 0.2292, 0.1985$, and if you desaturate by 10%, it is $26.5091, 0.2693, 0.2621$.

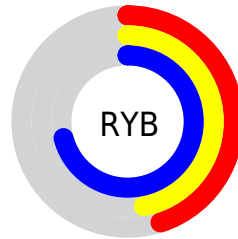
Distribution



Red (45%)

Green (47%)

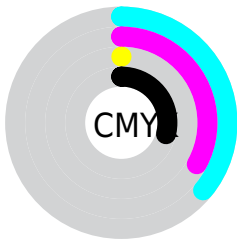
Blue (71%)



Red (45%)

Yellow (47%)

Blue (71%)

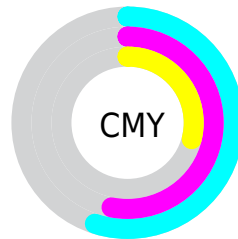


Cyan (36%)

Magenta (33%)

Yellow (0%)

Black (29%)



Cyan (55%)

Magenta (53%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7239, 0.2497, 0.2312 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 20.7239, 0.2497, 0.2312 by changing the saturation by 10% instead.

■ 20.7239, 0.2497,
0.2312

■ 20.7239, 0.2497,
0.2312

■ 255.8075, 0.2850,
0.2835

■ 12.9223, 0.2396,
0.2172

■ 44.6276, 0.2635,
0.2510

■ 7.3751, 0.2260,
0.1988

■ 61.4985, 0.2683,
0.2582

■ 3.6978, 0.2066,
0.1739

■ 82.1613, 0.2724,
0.2642

■ 1.5060, 0.1776,
0.1388

■ 107.0003, 0.2757,
0.2692

■ 0.2929, 0.1309,
0.0647

■ 136.4001, 0.2786,
0.2736

■ 0.0000, 0.0000,
0.0000

170.7450, 0.2810,

0.2773

210.4193, 0.2831,
0.2806

■ 20.7239, 0.2497,
0.2312

■ 20.7239, 0.2497,
0.2312

■ 15.8858, 0.2292,
0.1985

■ 26.5091, 0.2693,
0.2621

■ 11.9422, 0.2088,
0.1653

■ 33.2858, 0.2875,
0.2903

■ 8.8386, 0.1898,
0.1336

■ 41.0983, 0.3039,
0.3156

■ 6.5139, 0.1735,
0.1057

■ 49.9876, 0.3185,
0.3378

■ 4.8986, 0.1612,
0.0838

■ 59.9923, 0.3313,
0.3571

■ 3.9092, 0.1536,
0.0691

■ 71.1493, 0.3425,
0.3738

■ 3.6453, 0.1514,
0.0650

■ 83.4938, 0.3523,
0.3881

■ 95.9381, 0.3568,
0.4015

■ 96.1157, 0.3567,
0.4018

Harmonies

Analogous

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



20.7239, 0.2128, 0.2356



20.7239, 0.2497, 0.2312



20.7239, 0.3069, 0.2478

Triad

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



20.7239, 0.2497, 0.2312



20.7239, 0.4396, 0.3746



20.7239, 0.2511, 0.3827

Complementary

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



20.7239, 0.2497, 0.2312



42.1444, 0.3680, 0.4109

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.



20.7239, 0.3081, 0.4334



20.7239, 0.2497, 0.2312



20.7239, 0.4185, 0.4188

Square

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



20.7239, 0.2497, 0.2312



20.7239, 0.4228, 0.3260



20.7239, 0.3696, 0.4444



20.7239, 0.2129, 0.3168

Rectangle

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



20.7239, 0.2497, 0.2312



20.7239, 0.3506, 0.2686



20.7239, 0.3696, 0.4444



20.7239, 0.2686, 0.4030

Sweetspot

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



20.7247, 0.2497, 0.2312



65.9728, 0.2954, 0.3026



39.8762, 0.2665, 0.3371



13.8628, 0.2932, 0.2992



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



20.7247, 0.2497, 0.2312



30.1979, 0.2337, 0.2057



21.6821, 0.2755, 0.2303



8.3310, 0.2985, 0.3073



2.5555, 0.1517, 0.0659



0.1147, 0.1583, 0.0898

Inverse Universe

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



23.7009, 0.3907, 0.3220



36.5036, 0.4167, 0.3206



41.1674, 0.3404, 0.4249



8.5155, 0.3275, 0.3273



6.7981, 0.6300, 0.3244



0.2174, 0.5914, 0.3032

Previews

White Background



This preview shows how the Yxy color 20.7239, 0.2497, 0.2312 looks on a white 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

Black Background



This preview shows how the Yxy color 20.7239, 0.2497, 0.2312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

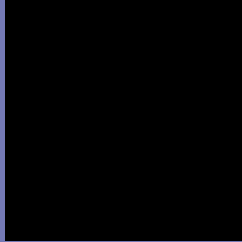
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7239, 0.2497, 0.2312

Background



This preview shows how black text looks on a background with the Yxy color 20.7239, 0.2497, 0.2312.



This preview shows how white text looks on a background with the Yxy color 20.7239, 0.2497, 0.2312.

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

20.7239, 0.2497, 0.2312

Protanopia

20.6490, 0.2401, 0.2298

Deuteranopia

20.6536, 0.2408, 0.2351



Tritanopia

20.7198, 0.2775, 0.3084

Trichromacy



Original Color

20.7239, 0.2497, 0.2312

Protanomaly

20.6115, 0.2439, 0.2302

Deuteranomaly

20.6494, 0.2439, 0.2342

Tritanomaly

20.6033, 0.2664, 0.2771

Monochromacy



Original Color

20.7239, 0.2497, 0.2312

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.6282, 0.2870, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7239, 0.2497, 0.2312 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(116, 121, 181)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 181)  
}
```

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(116, 121, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 181) }
```

Border

The CSS property to change the border of an element to Yxy 20.7239, 0.2497, 0.2312 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(116, 121, 181) }
```

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

```
.border{ border-color:rgb(116, 121, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 181);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7239, 0.2497, 0.2312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 181) }
```

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

```
.background{ background-color: rgb(116,  
121, 181) }
```

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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