

Converting Colors

$Y_{xy}(20.6723, 0.2504, 0.2275)$

Have a look what the booklet for
Yxy(20.6723, 0.2504, 0.2275)
contains.

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Color

Yxy(20.7738, 0.2506, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	7778B7
RGB	119, 120, 183
RGB Percent	47%, 47%, 72%
CMY	0.5336, 0.5293, 0.2824
CMYK	0.35, 0.34, 0.00, 0.28
HSL	239°, 31%, 59%
HSV	239°, 35%, 72%
XYZ	22.8630, 20.7738, 47.5964
YIQ	126.8830, -20.8190, 19.3810

Conversions

Conversions Part 2

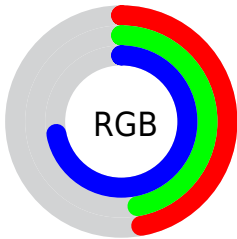
Format	Color
R_{YB}	119, 120, 183
Decimal	7829687
CIE _{Lab}	52.70, 14.83, -33.34
CIE _{LCh}	53, 36.488, 293.986
Yxy	20.7738, 0.2506, 0.2277
Android (android.graphics.Color)	4286019767 (0xFF7778B7)
YUV	126.8830, 27.6657, -6.9134
Hunter-Lab	45.5783, 9.7774, -30.0104

Details

The Yxy color $20.7738, 0.2506, 0.2277$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $44.8076, 0.3651, 0.4135$, and the grayscale version is $21.0873, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.6213, 0.2643, 0.2480$, and $7.4397, 0.2267, 0.1948$ is the 20% darker color. If you saturate the color by 10%, you get $15.6744, 0.2296, 0.1932$, and if you desaturate by 10%, it is $26.9366, 0.2706, 0.2604$.

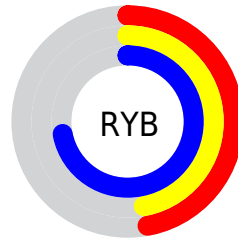
Distribution



Red (47%)

Green (47%)

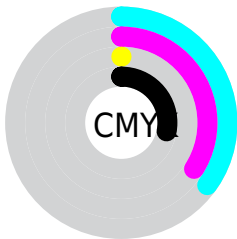
Blue (72%)



Red (47%)

Yellow (47%)

Blue (72%)

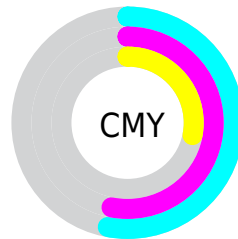


Cyan (35%)

Magenta (34%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (53%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7738, 0.2506, 0.2277 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 20.7738, 0.2506, 0.2277 by changing the saturation by 10% instead.

■ 20.7738, 0.2506,
0.2277

■ 20.7738, 0.2506,
0.2277

■ 256.0739, 0.2855,
0.2816

■ 12.9588, 0.2407,
0.2134

■ 44.7108, 0.2642,
0.2480

■ 7.4002, 0.2272,
0.1947

■ 61.6015, 0.2690,
0.2554

■ 3.7136, 0.2080,
0.1695

■ 82.2862, 0.2730,
0.2616

■ 1.5147, 0.1794,
0.1344

■ 107.1494, 0.2763,
0.2668

■ 0.2990, 0.1351,
0.0625

■ 136.5753, 0.2791,
0.2713

■ 0.0000, 0.0000,
0.0000

170.9485, 0.2815,

0.2752

210.6532, 0.2836,
0.2786

■ 20.7738, 0.2506,
0.2277

■ 20.7738, 0.2506,
0.2277

■ 15.6744, 0.2296,
0.1932

■ 26.9366, 0.2706,
0.2604

■ 11.5761, 0.2085,
0.1585

■ 34.2157, 0.2889,
0.2903

■ 8.4138, 0.1889,
0.1260

■ 42.6633, 0.3053,
0.3169

■ 6.1136, 0.1722,
0.0982

■ 52.3276, 0.3197,
0.3403

■ 4.5907, 0.1599,
0.0775

■ 63.2542, 0.3322,
0.3605

■ 3.7429, 0.1527,
0.0650

■ 75.4862, 0.3429,
0.3779

■ 3.4861, 0.1503,
0.0611

■ 89.0648, 0.3522,
0.3929

■ 96.1983, 0.3556,
0.3998

Harmonies

Analogous

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



20.7738, 0.2106, 0.2303



20.7738, 0.2506, 0.2277



20.7738, 0.3115, 0.2464

Triad

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



20.7738, 0.2506, 0.2277



20.7738, 0.4452, 0.3798



20.7738, 0.2443, 0.3804

Complementary

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



20.7738, 0.2506, 0.2277



44.8076, 0.3651, 0.4135

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.



20.7738, 0.3027, 0.4364



20.7738, 0.2506, 0.2277



20.7738, 0.4201, 0.4253

Square

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



20.7738, 0.2506, 0.2277



20.7738, 0.4309, 0.3292



20.7738, 0.3672, 0.4507



20.7738, 0.2066, 0.3110

Rectangle

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



20.7738, 0.2506, 0.2277



20.7738, 0.3574, 0.2688



20.7738, 0.3672, 0.4507



20.7738, 0.2620, 0.4024

Sweetspot

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



20.7746, 0.2506, 0.2277



66.8232, 0.2954, 0.3009



41.1083, 0.2654, 0.3321



14.3204, 0.2931, 0.2972



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



20.7746, 0.2506, 0.2277



30.0249, 0.2345, 0.2012



22.9688, 0.2799, 0.2338



8.7434, 0.2984, 0.3058



2.4427, 0.1504, 0.0613



0.0945, 0.1518, 0.0666

Inverse Universe

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



24.5997, 0.3930, 0.3277



37.9489, 0.4200, 0.3274



41.9729, 0.3370, 0.4233



9.0146, 0.3285, 0.3287



7.0289, 0.6379, 0.3287



0.2486, 0.6289, 0.3238

Previews

White Background



This preview shows how the Yxy color 20.7738, 0.2506, 0.2277 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 20.7738, 0.2506, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

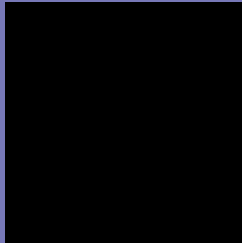
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7738, 0.2506, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 20.7738, 0.2506, 0.2277.

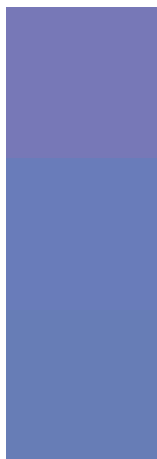


This preview shows how white text looks on a background with the Yxy color 20.7738, 0.2506, 0.2277.

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

20.7738, 0.2506, 0.2277

Protanopia

20.9637, 0.2375, 0.2274

Deuteranopia

20.9282, 0.2389, 0.2339



Tritanopia

20.8158, 0.2805, 0.3103

Trichromacy



Original Color

20.7738, 0.2506, 0.2277

Protanomaly

20.9837, 0.2420, 0.2280

Deuteranomaly

20.7945, 0.2433, 0.2317

Tritanomaly

20.7990, 0.2694, 0.2775

Monochromacy



Original Color

20.7738, 0.2506, 0.2277

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.8070, 0.2882, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7738, 0.2506, 0.2277 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(119, 120, 183)` looks like.

```
.text, #text, p{  
    color:rgb(119, 120, 183)  
}
```

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(119, 120, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 120, 183) }
```

Border

The CSS property to change the border of an element to Yxy 20.7738, 0.2506, 0.2277 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(119, 120, 183) }
```

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

```
.border{ border-color:rgb(119, 120, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 120, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 120, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 120, 183); box-shadow:4px 4px 4px 4px rgb(119, 120, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7738, 0.2506, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 120, 183) }
```

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

```
.background{ background-color: rgb(119,  
120, 183) }
```

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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