

Converting Colors

$Y_{xy}(20.6975, 0.2504, 0.2165)$

Have a look what the booklet for
Yxy(20.6975, 0.2504, 0.2165)
contains.

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Color

Yxy(20.7567, 0.2510, 0.2170)

Conversions

Conversions Part 1

Format	Color
Hex	7D75BD
RGB	125, 117, 189
RGB Percent	49%, 46%, 74%
CMY	0.5096, 0.5412, 0.2588
CMYK	0.34, 0.38, 0.00, 0.26
HSL	247°, 35%, 60%
HSV	247°, 38%, 74%
XYZ	24.0089, 20.7567, 50.8874
YIQ	127.6000, -18.3440, 24.0880

Conversions

Conversions Part 2

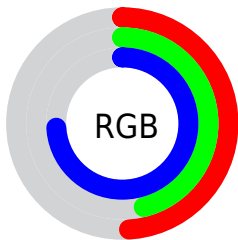
Format	Color
R _Y B	125, 117, 189
Decimal	8222141
CIE Lab	52.68, 20.02, -36.79
CIE LCh	53, 41.887, 298.559
Yxy	20.7567, 0.2510, 0.2170
Android (android.graphics.Color)	4286412221 (0xFF7D75BD)
YUV	127.6000, 30.2702, -2.2802
Hunter-Lab	45.5595, 14.3366, -34.3319

Details

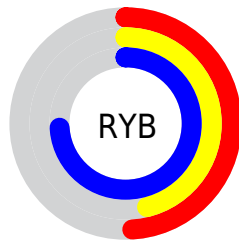
The Yxy color **20.7567, 0.2510, 0.2170** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **47.4988, 0.3618, 0.4248**, and the grayscale version is **21.3413, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7331, 0.2647, 0.2385**, and **7.4220, 0.2282, 0.1831** is the 20% darker color. If you saturate the color by 10%, you get **15.6305, 0.2312, 0.1828**, and if you desaturate by 10%, it is **26.9871, 0.2697, 0.2501**.

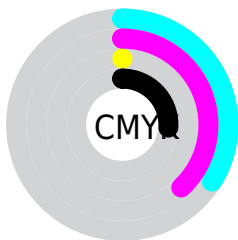
Distribution



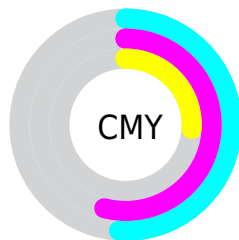
- Red (49%)
- Green (46%)
- Blue (74%)



- Red (49%)
- Yellow (46%)
- Blue (74%)



- Cyan (34%)
- Magenta (38%)
- Yellow (0%)
- Black (26%)



- Cyan (51%)
- Magenta (54%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7567, 0.2510, 0.2170 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 20.7567, 0.2510, 0.2170 by changing the saturation by 10% instead.

■ 20.7567, 0.2510,
0.2170

■ 20.7567, 0.2510,
0.2170

■ 255.9827, 0.2858,
0.2758

■ 12.9463, 0.2411,
0.2018

■ 44.6823, 0.2646,
0.2388

■ 7.3916, 0.2276,
0.1822

■ 61.5662, 0.2694,
0.2469

■ 3.7082, 0.2086,
0.1562

■ 82.2434, 0.2734,
0.2537

■ 1.5117, 0.1804,
0.1210

■ 107.0983, 0.2767,
0.2594

■ 0.2969, 0.1392,
0.0536

■ 136.5153, 0.2795,
0.2644

■ 0.0000, 0.0000,
0.0000

170.8787, 0.2819,

0.2687

210.5731, 0.2840,
0.2724

■ 20.7567, 0.2510,
0.2170

■ 20.7567, 0.2510,
0.2170

■ 15.6305, 0.2312,
0.1828

■ 26.9871, 0.2697,
0.2501

■ 11.5416, 0.2113,
0.1491

■ 34.3787, 0.2867,
0.2809

■ 8.4194, 0.1924,
0.1183

■ 42.9873, 0.3018,
0.3087

■ 6.1836, 0.1760,
0.0928

■ 52.8644, 0.3151,
0.3335

■ 4.7407, 0.1634,
0.0745

■ 64.0587, 0.3265,
0.3552

■ 3.9504, 0.1551,
0.0638

■ 76.6160, 0.3363,
0.3741

■ 3.8353, 0.1539,
0.0621

■ 90.5803, 0.3447,
0.3905

■ 96.4543, 0.3520,
0.3939

Harmonies

Analogous

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



20.7567, 0.2026, 0.2155



20.7567, 0.2510, 0.2170



20.7567, 0.3226, 0.2411

Triad

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



20.7567, 0.2510, 0.2170



20.7567, 0.4620, 0.3926



20.7567, 0.2260, 0.3757

Complementary

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



20.7567, 0.2510, 0.2170



47.4988, 0.3618, 0.4248

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.



20.7567, 0.2889, 0.4471



20.7567, 0.2510, 0.2170



20.7567, 0.4261, 0.4435

Square

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



20.7567, 0.2510, 0.2170



20.7567, 0.4540, 0.3361



20.7567, 0.3622, 0.4701



20.7567, 0.1890, 0.2960

Rectangle

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



20.7567, 0.2510, 0.2170



20.7567, 0.3754, 0.2675



20.7567, 0.3622, 0.4701



20.7567, 0.2446, 0.4028

Sweetspot

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



20.7575, 0.2510, 0.2170



72.0108, 0.2974, 0.3005



40.8307, 0.2588, 0.3182



15.0290, 0.2954, 0.2968



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



20.7575, 0.2510, 0.2170



29.1356, 0.2340, 0.1874



23.8882, 0.2861, 0.2272



9.2751, 0.3001, 0.3054



2.5977, 0.1545, 0.0625



0.1189, 0.1695, 0.0708

Inverse Universe

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



26.8733, 0.3257, 0.2453



41.7689, 0.3293, 0.2275



43.7735, 0.3305, 0.4355



9.6774, 0.3154, 0.3089



9.1849, 0.3509, 0.1707



0.3651, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 20.7567, 0.2510, 0.2170 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 20.7567, 0.2510, 0.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

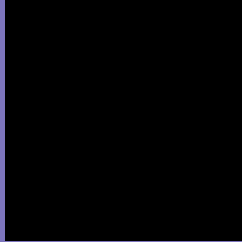
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7567, 0.2510, 0.2170

Background



This preview shows how black text looks on a background with the Yxy color 20.7567, 0.2510, 0.2170.

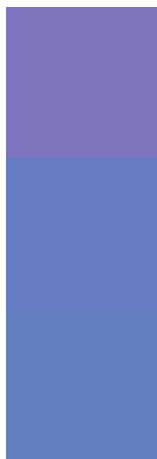


This preview shows how white text looks on a background with the Yxy color 20.7567, 0.2510, 0.2170.

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

20.7567, 0.2510, 0.2170

Protanopia

20.7703, 0.2282, 0.2147

Deuteranopia

20.8518, 0.2317, 0.2264



Tritanopia

20.8507, 0.2866, 0.3105

Trichromacy



Original Color

20.7567, 0.2510, 0.2170

Protanomaly

20.7317, 0.2359, 0.2158

Deuteranomaly

20.7381, 0.2380, 0.2221

Tritanomaly

20.7012, 0.2723, 0.2714

Monochromacy



Original Color

20.7567, 0.2510, 0.2170

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.1293, 0.2885, 0.2840

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7567, 0.2510, 0.2170 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(125, 117, 189)` looks like.

```
.text, #text, p{  
    color:rgb(125, 117, 189)  
}
```

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(125, 117, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 117, 189) }
```

Border

The CSS property to change the border of an element to Yxy 20.7567, 0.2510, 0.2170 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(125, 117, 189) }
```

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

```
.border{ border-color:rgb(125, 117, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 117, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 117, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 117, 189);  
box-shadow:4px 4px 4px 4px rgb(125, 117,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7567, 0.2510, 0.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 117, 189) }
```

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

```
.background{ background-color: rgb(125,  
117, 189) }
```

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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