

Converting Colors

$Y_{xy}(22.5627, 0.2490, 0.2522)$

Have a look what the booklet for
Yxy(22.5627, 0.2490, 0.2522)
contains.

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Color

Yxy(22.6581, 0.2490, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	6D83B1
RGB	109, 131, 177
RGB Percent	43%, 51%, 69%
CMY	0.5724, 0.4863, 0.3059
CMYK	0.38, 0.26, 0.00, 0.31
HSL	221°, 30%, 56%
HSV	221°, 38%, 69%
XYZ	22.3617, 22.6581, 44.7863
YIQ	129.6660, -27.8780, 9.6420

Conversions

Conversions Part 2

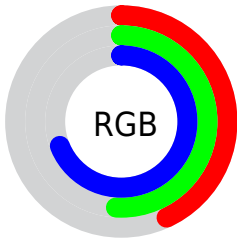
Format	Color
R _Y B	109, 126, 177
Decimal	7177137
CIE Lab	54.72, 3.85, -26.81
CIE LCh	55, 27.086, 278.167
Yxy	22.6581, 0.2490, 0.2523
Android (android.graphics.Color)	4285367217 (0xFF6D83B1)
YUV	129.6660, 23.3357, -18.1241
Hunter-Lab	47.6005, 0.5547, -22.4644

Details

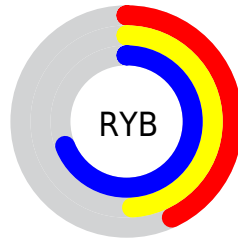
The Yxy color **22.6581, 0.2490, 0.2523** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **33.9079, 0.3800, 0.3950**, and the grayscale version is **22.1255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.9507, 0.2626, 0.2682**, and **8.3597, 0.2258, 0.2263** is the 20% darker color. If you saturate the color by 10%, you get **18.6123, 0.2312, 0.2279**, and if you desaturate by 10%, it is **27.3038, 0.2667, 0.2751**.

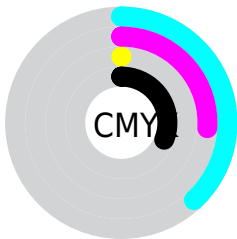
Distribution



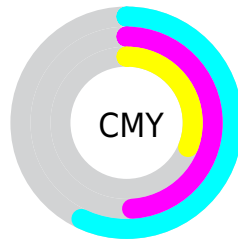
- Red (43%)
- Green (51%)
- Blue (69%)



- Red (43%)
- Yellow (49%)
- Blue (69%)



- Cyan (38%)
- Magenta (26%)
- Yellow (0%)
- Black (31%)



- Cyan (57%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.6581, 0.2490, 0.2523 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 22.6581, 0.2490, 0.2523 by changing the saturation by 10% instead.

■ 22.6581, 0.2490,
0.2523

■ 22.6581, 0.2490,
0.2523

■ 265.9640, 0.2840,
0.2939

■ 14.3413, 0.2392,
0.2409

■ 47.8313, 0.2625,
0.2682

■ 8.3584, 0.2261,
0.2257

■ 65.4565, 0.2673,
0.2739

■ 4.3251, 0.2075,
0.2046

■ 86.9532, 0.2713,
0.2787

■ 1.8570, 0.1799,
0.1737

■ 112.7059, 0.2747,
0.2827

■ 0.5224, 0.1330,
0.1176

■ 143.0989, 0.2775,
0.2861

■ 0.0000, 0.0000,
0.0000

178.5167, 0.2800,

0.2890

219.3436, 0.2821,
0.2916

■ 22.6581, 0.2490,
0.2523

■ 22.6581, 0.2490,
0.2523

■ 18.6123, 0.2312,
0.2279

■ 27.3038, 0.2667,
0.2751

■ 15.1377, 0.2138,
0.2024

■ 32.5715, 0.2838,
0.2960

■ 12.2066, 0.1977,
0.1767

■ 38.4850, 0.3000,
0.3148

■ 9.7878, 0.1836,
0.1518

■ 45.0662, 0.3151,
0.3316

■ 7.8461, 0.1723,
0.1289

■ 52.3358, 0.3290,
0.3463

■ 6.3312, 0.1640,
0.1088

■ 60.3137, 0.3417,
0.3593

■ 6.1182, 0.1627,
0.1058

■ 69.0189, 0.3532,
0.3706

■ 78.4697, 0.3637,
0.3804

■ 86.0659, 0.3635,
0.3911

Harmonies

Analogous

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



22.6581, 0.2279, 0.2652



22.6581, 0.2490, 0.2523



22.6581, 0.2875, 0.2577

Triad

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



22.6581, 0.2490, 0.2523



22.6581, 0.4065, 0.3493



22.6581, 0.2851, 0.3884

Complementary

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



22.6581, 0.2490, 0.2523



33.9079, 0.3800, 0.3950

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.



22.6581, 0.3323, 0.4142



22.6581, 0.2490, 0.2523



22.6581, 0.4042, 0.3857

Square

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



22.6581, 0.2490, 0.2523



22.6581, 0.3810, 0.3112



22.6581, 0.3762, 0.4112



22.6581, 0.2473, 0.3429

Rectangle

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



22.6581, 0.2490, 0.2523



22.6581, 0.3195, 0.2702



22.6581, 0.3762, 0.4112



22.6581, 0.3004, 0.4000

Sweetspot

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



22.6590, 0.2490, 0.2523



64.7536, 0.2939, 0.3079



37.0403, 0.2753, 0.3655



13.7425, 0.2919, 0.3055



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.6590, 0.2490, 0.2523



34.4308, 0.2340, 0.2319



18.1395, 0.2545, 0.2177



8.6636, 0.2985, 0.3132



4.5325, 0.1633, 0.1078



0.2512, 0.1797, 0.1670

Inverse Universe

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



21.9311, 0.3750, 0.2969



33.6080, 0.3956, 0.2900



40.6182, 0.3583, 0.4263



8.5490, 0.3238, 0.3217



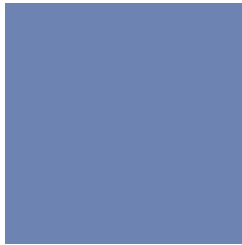
6.9977, 0.5643, 0.2882



0.2311, 0.4843, 0.2442

Previews

White Background



This preview shows how the Yxy color 22.6581, 0.2490, 0.2523 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 22.6581, 0.2490, 0.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

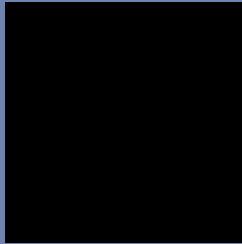
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

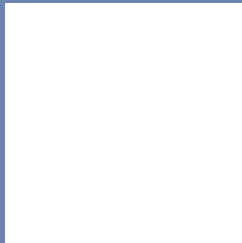
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.6581, 0.2490, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 22.6581, 0.2490, 0.2523.

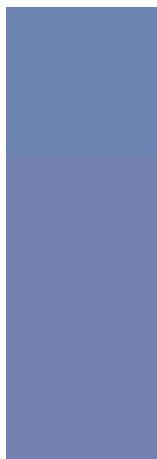


This preview shows how white text looks on a background with the Yxy color 22.6581, 0.2490, 0.2523.

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

22.6581, 0.2490, 0.2523

Protanopia

22.5776, 0.2570, 0.2531

Deuteranopia

22.6567, 0.2554, 0.2503



Tritanopia

22.5397, 0.2678, 0.3087

Trichromacy



Original Color

22.6581, 0.2490, 0.2523

Protanomaly

22.6773, 0.2538, 0.2528

Deuteranomaly

22.7170, 0.2530, 0.2514

Tritanomaly

22.5221, 0.2609, 0.2863

Monochromacy



Original Color

22.6581, 0.2490, 0.2523

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.2094, 0.2865, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6581, 0.2490, 0.2523 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(109, 131, 177)` looks like.

```
.text, #text, p{  
    color:rgb(109, 131, 177)  
}
```

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(109, 131, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 131, 177) }
```

Border

The CSS property to change the border of an element to Yxy 22.6581, 0.2490, 0.2523 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(109, 131, 177) }
```

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

```
.border{ border-color:rgb(109, 131, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 131, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 131, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 131, 177); box-shadow:4px 4px 4px 4px rgb(109, 131, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6581, 0.2490, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 131, 177) }
```

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

```
.background{ background-color: rgb(109,  
131, 177) }
```

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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