

Converting Colors

$Y_{xy}(22.7718, 0.2498, 0.2670)$

Have a look what the booklet for
Yxy(22.7718, 0.2498, 0.2670)
contains.

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Color

Yxy(22.8360, 0.2499, 0.2670)

Conversions

Conversions Part 1

Format	Color
Hex	6786AA
RGB	103, 134, 170
RGB Percent	40%, 53%, 67%
CMY	0.5962, 0.4745, 0.3333
CMYK	0.39, 0.21, 0.00, 0.33
HSL	212°, 28%, 54%
HSV	212°, 39%, 67%
XYZ	21.3735, 22.8360, 41.3186
YIQ	128.8350, -30.0320, 4.6240

Conversions

Conversions Part 2

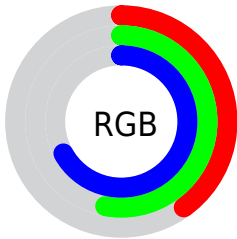
Format	Color
R_{YB}	103, 124, 170
Decimal	6784682
CIE _{Lab}	54.90, -1.56, -22.55
CIE _{LCh}	55, 22.604, 266.033
Yxy	22.8360, 0.2499, 0.2670
Android (android.graphics.Color)	4284974762 (0xFF6786AA)
YUV	128.8350, 20.2943, -22.6573
Hunter-Lab	47.7870, -3.7905, -17.8136

Details

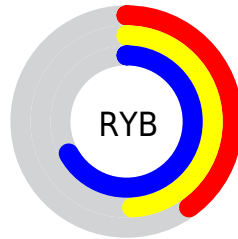
The Yxy color **22.8360, 0.2499, 0.2670** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **27.9891, 0.3872, 0.3835**, and the grayscale version is **21.8272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.0448, 0.2632, 0.2806**, and **8.5351, 0.2278, 0.2450** is the 20% darker color. If you saturate the color by 10%, you get **19.5152, 0.2338, 0.2478**, and if you desaturate by 10%, it is **26.5810, 0.2663, 0.2849**.

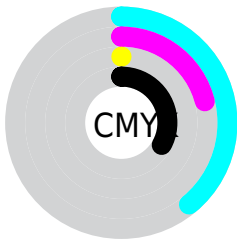
Distribution



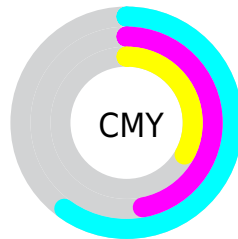
- Red (40%)
- Green (53%)
- Blue (67%)



- Red (40%)
- Yellow (49%)
- Blue (67%)



- Cyan (39%)
- Magenta (21%)
- Yellow (0%)
- Black (33%)



- Cyan (60%)
- Magenta (47%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.8360, 0.2499, 0.2670 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 22.8360, 0.2499, 0.2670 by changing the saturation by 10% instead.

■ 22.8360, 0.2499,
0.2670

■ 22.8360, 0.2499,
0.2670

■ 266.8815, 0.2843,
0.3012

■ 14.4725, 0.2403,
0.2574

■ 48.1239, 0.2632,
0.2802

■ 8.4500, 0.2273,
0.2443

■ 65.8170, 0.2679,
0.2849

■ 4.3842, 0.2090,
0.2258

■ 87.3888, 0.2718,
0.2888

■ 1.8907, 0.1814,
0.1978

■ 113.2237, 0.2751,
0.2921

■ 0.5428, 0.1271,
0.1444

■ 143.7060, 0.2779,
0.2949

■ 0.0000, 0.0000,
0.0000

179.2202, 0.2803,

0.2972

220.1505, 0.2825,
0.2993

■ 22.8360, 0.2499,
0.2670

■ 22.8360, 0.2499,
0.2670

■ 19.5152, 0.2338,
0.2478

■ 26.5810, 0.2663,
0.2849

■ 16.5980, 0.2184,
0.2276

■ 30.7644, 0.2826,
0.3014

■ 14.0657, 0.2043,
0.2069

■ 35.4026, 0.2984,
0.3163

■ 11.8968, 0.1921,
0.1863

■ 40.5105, 0.3136,
0.3297

■ 10.0666, 0.1822,
0.1664

■ 46.1021, 0.3279,
0.3416

■ 8.5310, 0.1745,
0.1477

■ 52.1910, 0.3413,
0.3521

■ 8.4496, 0.1741,
0.1466

■ 58.7899, 0.3538,
0.3613

■ 65.9113, 0.3653,
0.3694

■ 73.3781, 0.3752,
0.3766

Harmonies

Analogous

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



22.8360, 0.2387, 0.2851



22.8360, 0.2499, 0.2670



22.8360, 0.2773, 0.2651

Triad

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



22.8360, 0.2499, 0.2670



22.8360, 0.3846, 0.3336



22.8360, 0.3057, 0.3889

Complementary

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



22.8360, 0.2499, 0.2670



27.9891, 0.3872, 0.3835

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.



22.8360, 0.3454, 0.4013



22.8360, 0.2499, 0.2670



22.8360, 0.3925, 0.3658

Square

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



22.8360, 0.2499, 0.2670



22.8360, 0.3557, 0.3023



22.8360, 0.3776, 0.3913



22.8360, 0.2695, 0.3568

Rectangle

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



22.8360, 0.2499, 0.2670



22.8360, 0.3022, 0.2721



22.8360, 0.3776, 0.3913



22.8360, 0.3191, 0.3956

Sweetspot

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



22.8369, 0.2499, 0.2670



61.7905, 0.2941, 0.3123



33.4938, 0.2809, 0.3824



13.5406, 0.2921, 0.3105



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.8369, 0.2499, 0.2670



36.3017, 0.2363, 0.2509



15.6158, 0.2437, 0.2119



7.8513, 0.2987, 0.3166



6.3239, 0.1746, 0.1486



0.2569, 0.1925, 0.2128

Inverse Universe

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



19.9657, 0.3637, 0.2822



31.1114, 0.3798, 0.2724



38.0348, 0.3683, 0.4255



7.5979, 0.3216, 0.3186



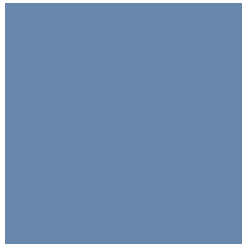
6.7095, 0.5078, 0.2571



0.1736, 0.4310, 0.2148

Previews

White Background



This preview shows how the Yxy color 22.8360, 0.2499, 0.2670 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 22.8360, 0.2499, 0.2670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

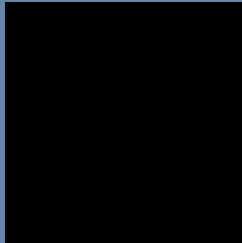
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

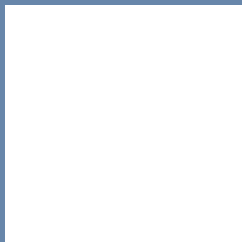
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 22.8360, 0.2499, 0.2670

Background



This preview shows how black text looks on a background with the Yxy color 22.8360, 0.2499, 0.2670.



This preview shows how white text looks on a background with the Yxy color 22.8360, 0.2499, 0.2670.

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

22.8360, 0.2499, 0.2670

Protanopia

22.8929, 0.2684, 0.2673

Deuteranopia

22.7784, 0.2648, 0.2597



Tritanopia

22.9436, 0.2630, 0.3087

Trichromacy



Original Color

22.8360, 0.2499, 0.2670

Protanomaly

22.7046, 0.2612, 0.2664

Deuteranomaly

22.8177, 0.2588, 0.2620

Tritanomaly

23.0350, 0.2581, 0.2931

Monochromacy



Original Color

22.8360, 0.2499, 0.2670

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.2393, 0.2874, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8360, 0.2499, 0.2670 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(103, 134, 170)` looks like.

```
.text, #text, p{  
    color:rgb(103, 134, 170)  
}
```

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(103, 134, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 134, 170) }
```

Border

The CSS property to change the border of an element to Yxy 22.8360, 0.2499, 0.2670 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(103, 134, 170) }
```

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

```
.border{ border-color:rgb(103, 134, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 134, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 134, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 134, 170); box-shadow:4px 4px 4px 4px rgb(103, 134, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8360, 0.2499, 0.2670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 134, 170) }
```

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

```
.background{ background-color: rgb(103,  
134, 170) }
```

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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