

Converting Colors

$Y_{xy}(24.9912, 0.2230, 0.2540)$

Have a look what the booklet for
Yxy(24.9912, 0.2230, 0.2540)
contains.

Yxy(25.0732, 0.2234, 0.2551)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.0732, 0.2234, 0.2551)$

Conversions

Conversions Part 1

Format	Color
Hex	4B90BC
RGB	75, 144, 188
RGB Percent	29%, 56%, 74%
CMY	0.7055, 0.4353, 0.2628
CMYK	0.60, 0.23, 0.00, 0.26
HSL	203°, 46%, 52%
HSV	203°, 60%, 74%
XYZ	21.9575, 25.0732, 51.2571
YIQ	128.3850, -55.2480, -0.9440

Conversions

Conversions Part 2

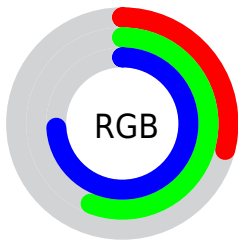
Format	Color
R _Y B	75, 118, 188
Decimal	4952252
CIE Lab	57.15, -8.49, -29.47
CIE LCh	57, 30.666, 253.927
Yxy	25.0732, 0.2234, 0.2551
Android (android.graphics.Color)	4283142332 (0xFF4B90BC)
YUV	128.3850, 29.3902, -46.8186
Hunter-Lab	50.0731, -9.3543, -25.6406

Details

The Yxy color **25.0732, 0.2234, 0.2551** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **24.4211, 0.4549, 0.3881**, and the grayscale version is **21.6463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9064, 0.2415, 0.2714**, and **9.7547, 0.1971, 0.2296** is the 20% darker color. If you saturate the color by 10%, you get **22.2753, 0.2116, 0.2402**, and if you desaturate by 10%, it is **28.2411, 0.2367, 0.2696**.

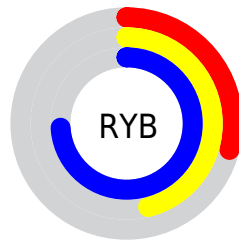
Distribution



Red (29%)

Green (56%)

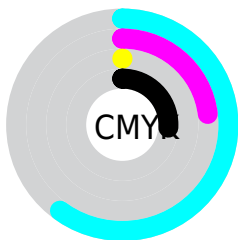
Blue (74%)



Red (29%)

Yellow (46%)

Blue (74%)

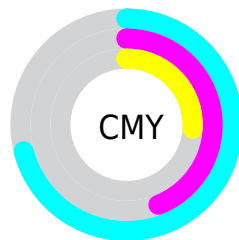


Cyan (60%)

Magenta (23%)

Yellow (0%)

Black (26%)



Cyan (71%)

Magenta (44%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0732, 0.2234, 0.2551 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 25.0732, 0.2234, 0.2551 by changing the saturation by 10% instead.

■ 25.0732, 0.2234,
0.2551

■ 25.0732, 0.2234,
0.2551

■ 278.2023, 0.2708,
0.2955

■ 16.1316, 0.2109,
0.2440

■ 51.7759, 0.2412,
0.2705

■ 9.6173, 0.1946,
0.2293

■ 70.3059, 0.2477,
0.2761

■ 5.1460, 0.1725,
0.2088

■ 92.8007, 0.2531,
0.2807

■ 2.3332, 0.1417,
0.1792

■ 119.6449, 0.2577,
0.2846

■ 0.7912, 0.0926,
0.1345

■ 151.2227, 0.2617,
0.2879

■ 0.0000, 0.0000,
0.0000

187.9186, 0.2651,

0.2908

230.1170, 0.2681,
0.2933

■ 25.0732, 0.2234,
0.2551

■ 25.0732, 0.2234,
0.2551

■ 22.2753, 0.2116,
0.2402

■ 28.2411, 0.2367,
0.2696

■ 19.8216, 0.2016,
0.2251

■ 31.7967, 0.2512,
0.2834

■ 17.6862, 0.1938,
0.2103

■ 35.7598, 0.2664,
0.2963

■ 15.8264, 0.1877,
0.1958

■ 40.1474, 0.2819,
0.3082

■ 44.9756, 0.2974,
0.3191

■ 50.2596, 0.3126,
0.3290

■ 56.0135, 0.3275,
0.3377

■ 62.2509, 0.3417,
0.3456

■ 68.9848, 0.3552,
0.3524

Harmonies

Analogous

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



25.0732, 0.2182, 0.2855



25.0732, 0.2234, 0.2551



25.0732, 0.2500, 0.2454

Triad

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



25.0732, 0.2234, 0.2551



25.0732, 0.3950, 0.3170



25.0732, 0.3236, 0.4198

Complementary

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



25.0732, 0.2234, 0.2551



24.4211, 0.4549, 0.3881

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.



25.0732, 0.3734, 0.4218



25.0732, 0.2234, 0.2551



25.0732, 0.4174, 0.3584

Square

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



25.0732, 0.2234, 0.2551



25.0732, 0.3484, 0.2804



25.0732, 0.4086, 0.3969



25.0732, 0.2732, 0.3859

Rectangle

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



25.0732, 0.2234, 0.2551



25.0732, 0.2782, 0.2498



25.0732, 0.4086, 0.3969



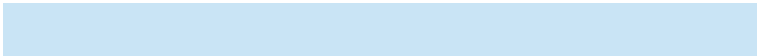
25.0732, 0.3410, 0.4241

Sweetspot

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



25.0741, 0.2234, 0.2551



74.2408, 0.2846, 0.3102



38.7823, 0.2798, 0.4487



15.4402, 0.2801, 0.3069



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.



25.0741, 0.2234, 0.2551



38.9154, 0.2083, 0.2355



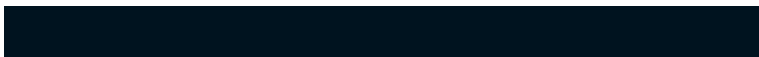
12.1558, 0.2019, 0.1584



10.1680, 0.2984, 0.3198



10.9236, 0.1882, 0.1976



0.5515, 0.1979, 0.2326

Inverse Universe

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



17.7508, 0.3805, 0.2387



26.7151, 0.4027, 0.2264



41.7928, 0.4061, 0.4549



9.6315, 0.3196, 0.3151



8.1324, 0.4480, 0.2242



0.3310, 0.4100, 0.2032

Previews

White Background



This preview shows how the Yxy color 25.0732, 0.2234, 0.2551 looks on a white background.

Color Contrast Check

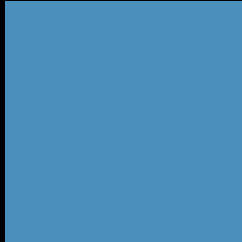
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0732, 0.2234, 0.2551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

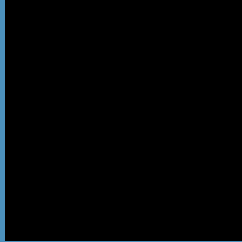
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

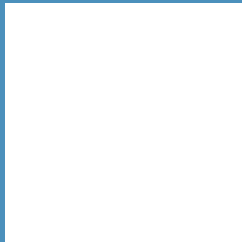
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.0732, 0.2234, 0.2551

Background



This preview shows how black text looks on a background with the Yxy color 25.0732, 0.2234, 0.2551.

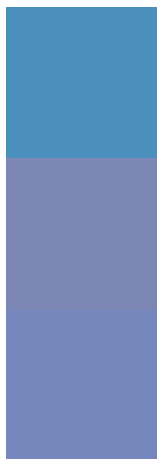


This preview shows how white text looks on a background with the Yxy color 25.0732, 0.2234, 0.2551.

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

25.0732, 0.2234, 0.2551

Protanopia

24.9492, 0.2598, 0.2560

Deuteranopia

24.8972, 0.2481, 0.2429



Tritanopia

25.1249, 0.2348, 0.3067

Trichromacy



Original Color

25.0732, 0.2234, 0.2551

Protanomaly

24.7018, 0.2435, 0.2540

Deuteranomaly

24.6759, 0.2373, 0.2466

Tritanomaly

25.0010, 0.2300, 0.2861

Monochromacy



Original Color

25.0732, 0.2234, 0.2551

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

22.5034, 0.2713, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0732, 0.2234, 0.2551 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(75, 144, 188)` looks like.

```
.text, #text, p{  
    color:rgb(75, 144, 188)  
}
```

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(75, 144, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 144, 188) }
```

Border

The CSS property to change the border of an element to Yxy 25.0732, 0.2234, 0.2551 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(75, 144, 188) }
```

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

```
.border{ border-color:rgb(75, 144, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 144, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 144, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 144, 188);  
box-shadow:4px 4px 4px 4px rgb(75, 144,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0732, 0.2234, 0.2551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 144, 188) }
```

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

```
.background{ background-color: rgb(75, 144,  
188) }
```

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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