

Converting Colors

$Y_{xy}(24.6051, 0.2322, 0.2880)$

Have a look what the booklet for
Yxy(24.6051, 0.2322, 0.2880)
contains.

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Color

$Y_{xy}(24.6501, 0.2324, 0.2893)$

Conversions

Conversions Part 1

Format	Color
Hex	4592A8
RGB	69, 146, 168
RGB Percent	27%, 57%, 66%
CMY	0.7293, 0.4275, 0.3412
CMYK	0.59, 0.13, 0.00, 0.34
HSL	193°, 42%, 46%
HSV	193°, 59%, 66%
XYZ	19.8019, 24.6501, 40.7540
YIQ	125.4850, -52.9540, -9.4820

Conversions

Conversions Part 2

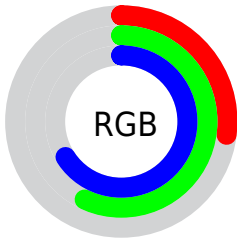
Format	Color
R_{YB}	69, 112, 168
Decimal	4559528
CIE _{Lab}	56.73, -17.09, -18.73
CIE _{LCh}	57, 25.360, 227.619
Yxy	24.6501, 0.2324, 0.2893
Android (android.graphics.Color)	4282749608 (0xFF4592A8)
YUV	125.4850, 20.9599, -49.5373
Hunter-Lab	49.6489, -15.6929, -13.9137

Details

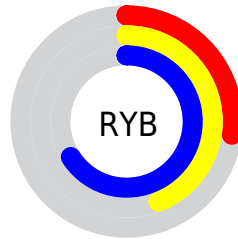
The Yxy color **24.6501, 0.2324, 0.2893** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.2407, 0.4672, 0.3619**, and the grayscale version is **20.6250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0719, 0.2489, 0.2985**, and **9.4454, 0.2091, 0.2726** is the 20% darker color. If you saturate the color by 10%, you get **22.9886, 0.2228, 0.2813**, and if you desaturate by 10%, it is **26.5250, 0.2436, 0.2971**.

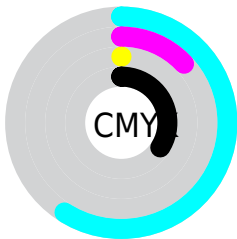
Distribution



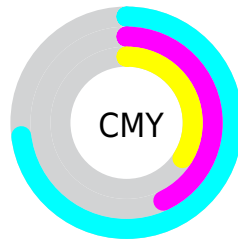
- Red (27%)
- Green (57%)
- Blue (66%)



- Red (27%)
- Yellow (44%)
- Blue (66%)



- Cyan (59%)
- Magenta (13%)
- Yellow (0%)
- Black (34%)



- Cyan (73%)
- Magenta (43%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6501, 0.2324, 0.2893 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 24.6501, 0.2324, 0.2893 by changing the saturation by 10% instead.

■ 24.6501, 0.2324,
0.2893

■ 24.6501, 0.2324,
0.2893

276.0909, 0.2754,
0.3121

■ 15.8166, 0.2208,
0.2825

■ 51.0890, 0.2487,
0.2983

■ 9.3944, 0.2053,
0.2731

■ 69.4632, 0.2546,
0.3015

■ 4.9993, 0.1839,
0.2592

■ 91.7863, 0.2596,
0.3041

■ 2.2469, 0.1530,
0.2371

■ 118.4429, 0.2637,
0.3062

■ 0.7454, 0.0791,
0.2024

■ 149.8172, 0.2673,
0.3080

■ 0.0000, 0.0000,
0.0000

186.2937, 0.2704,

0.3096

228.2568, 0.2731,
0.3109

■ 24.6501, 0.2324,
0.2893

■ 24.6501, 0.2324,
0.2893

■ 22.9886, 0.2228,
0.2813

■ 26.5250, 0.2436,
0.2971

■ 21.5222, 0.2151,
0.2732

■ 28.6241, 0.2562,
0.3045

■ 20.2339, 0.2092,
0.2652

■ 30.9609, 0.2699,
0.3115

■ 19.0893, 0.2050,
0.2572

■ 33.5466, 0.2844,
0.3181

■ 18.9674, 0.2045,
0.2563

■ 36.3919, 0.2993,
0.3241

■ 39.5067, 0.3144,
0.3296

■ 42.9002, 0.3294,
0.3345

■ 46.5813, 0.3443,
0.3389

■ 50.5584, 0.3587,
0.3429

Harmonies

Analogous

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



24.6501, 0.2451, 0.3280



24.6501, 0.2324, 0.2893



24.6501, 0.2391, 0.2651

Triad

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



24.6501, 0.2324, 0.2893



24.6501, 0.3480, 0.2915



24.6501, 0.3594, 0.4073

Complementary

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



24.6501, 0.2324, 0.2893



16.2407, 0.4672, 0.3619

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.



24.6501, 0.3904, 0.3901



24.6501, 0.2324, 0.2893



24.6501, 0.3845, 0.3238

Square

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



24.6501, 0.2324, 0.2893



24.6501, 0.3034, 0.2682



24.6501, 0.4002, 0.3591



24.6501, 0.3171, 0.4014

Rectangle

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



24.6501, 0.2324, 0.2893



24.6501, 0.2539, 0.2587



24.6501, 0.4002, 0.3591



24.6501, 0.3715, 0.4038

Sweetspot

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



24.6510, 0.2324, 0.2893



61.1670, 0.2852, 0.3184



30.0141, 0.2911, 0.4768



13.0332, 0.2811, 0.3166



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



24.6510, 0.2324, 0.2893



40.7789, 0.2200, 0.2786



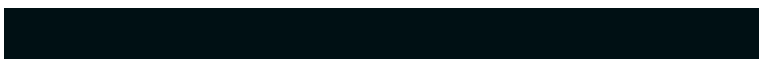
12.6566, 0.2117, 0.1941



8.2450, 0.2987, 0.3239



14.4039, 0.2048, 0.2571



0.4186, 0.2121, 0.2835

Inverse Universe

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



14.6600, 0.3507, 0.2191



22.2182, 0.3622, 0.2020



27.4962, 0.4179, 0.4321



7.6377, 0.3170, 0.3116



7.5251, 0.3852, 0.1896



0.1900, 0.3603, 0.1758

Previews

White Background



This preview shows how the Yxy color 24.6501, 0.2324, 0.2893 looks on a white background.

Color Contrast Check

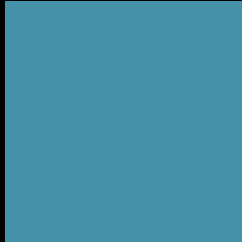
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6501, 0.2324, 0.2893 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

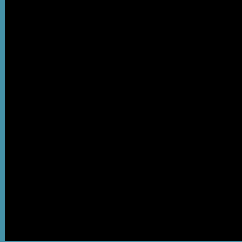
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.6501, 0.2324, 0.2893

Background



This preview shows how black text looks on a background with the Yxy color 24.6501, 0.2324, 0.2893.



This preview shows how white text looks on a background with the Yxy color 24.6501, 0.2324, 0.2893.

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

24.6501, 0.2324, 0.2893

Protanopia

24.3341, 0.2829, 0.2860

Deuteranopia

24.4612, 0.2731, 0.2678



Tritanopia

24.4945, 0.2362, 0.3066

Trichromacy



Original Color

24.6501, 0.2324, 0.2893

Protanomaly

24.0094, 0.2604, 0.2857

Deuteranomaly

24.2674, 0.2551, 0.2748

Tritanomaly

24.6343, 0.2349, 0.3013

Monochromacy



Original Color

24.6501, 0.2324, 0.2893

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.7014, 0.2752, 0.3140

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.6501, 0.2324, 0.2893 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(69, 146, 168)` looks like.

```
.text, #text, p{  
    color:rgb(69, 146, 168)  
}
```

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(69, 146, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 146, 168) }
```

Border

The CSS property to change the border of an element to Yxy 24.6501, 0.2324, 0.2893 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(69, 146, 168) }
```

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

```
.border{ border-color:rgb(69, 146, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 146, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 146, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 146, 168);  
box-shadow:4px 4px 4px 4px rgb(69, 146,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 24.6501, 0.2324, 0.2893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 146, 168) }
```

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

```
.background{ background-color: rgb(69, 146,  
168) }
```

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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