

Converting Colors

$Y_{xy}(23.9501, 0.2736, 0.2961)$

Have a look what the booklet for
Yxy(23.9501, 0.2736, 0.2961)
contains.

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Color

Yxy(24.0046, 0.2732, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	74899C
RGB	116, 137, 156
RGB Percent	45%, 54%, 61%
CMY	0.5451, 0.4627, 0.3882
CMYK	0.26, 0.12, 0.00, 0.39
HSL	208°, 17%, 53%
HSV	208°, 26%, 61%
XYZ	22.1481, 24.0046, 34.9165
YIQ	132.8870, -18.6150, 1.4570

Conversions

Conversions Part 2

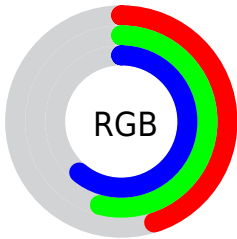
Format	Color
R_{YB}	116, 130, 156
Decimal	7637404
CIE Lab	56.09, -3.06, -12.60
CIE LCh	56, 12.964, 256.344
Yxy	24.0046, 0.2732, 0.2961
Android (android.graphics.Color)	4285827484 (0xFF74899C)
YUV	132.8870, 11.3947, -14.8099
Hunter-Lab	48.9945, -5.0489, -7.9576

Details

The Yxy color $24.0046, 0.2732, 0.2961$ is a dark color, and the websafe version is hex 999999 . A complement of this color would be $25.6535, 0.3580, 0.3598$, and the grayscale version is $23.3753, 0.3127, 0.3290$.

A 20% lighter version of the original color is $49.9651, 0.2815, 0.3022$, and $9.0296, 0.2587, 0.2824$ is the 20% darker color. If you saturate the color by 10%, you get $20.9906, 0.2574, 0.2810$, and if you desaturate by 10%, it is $27.3446, 0.2889, 0.3100$.

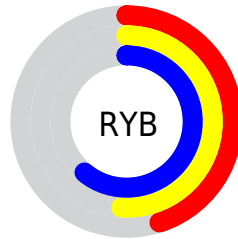
Distribution



Red (45%)

Green (54%)

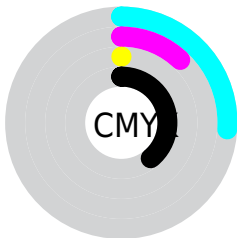
Blue (61%)



Red (45%)

Yellow (51%)

Blue (61%)

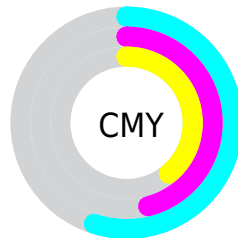


Cyan (26%)

Magenta (12%)

Yellow (0%)

Black (39%)



Cyan (55%)

Magenta (46%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.0046, 0.2732, 0.2961 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 24.0046, 0.2732, 0.2961 by changing the saturation by 10% instead.

■ 24.0046, 0.2732,
0.2961

■ 24.0046, 0.2732,
0.2961

272.8437, 0.2949,
0.3144

■ 15.3370, 0.2670,
0.2908

■ 50.0377, 0.2816,
0.3032

■ 9.0563, 0.2587,
0.2836

■ 68.1720, 0.2846,
0.3058

■ 4.7779, 0.2466,
0.2730

■ 90.2307, 0.2871,
0.3078

■ 2.1175, 0.2277,
0.2562

116.5982, 0.2891,
0.3096

■ 0.6745, 0.1879,
0.2238

147.6589, 0.2909,
0.3111

■ 0.0000, 0.0000,
0.0000

183.7971, 0.2924,

0.3123

225.3972, 0.2937,
0.3134

■ 24.0046, 0.2732,
0.2961

■ 24.0046, 0.2732,
0.2961

■ 20.9906, 0.2574,
0.2810

■ 27.3446, 0.2889,
0.3100

■ 18.2879, 0.2418,
0.2647

■ 31.0189, 0.3043,
0.3225

■ 15.8848, 0.2270,
0.2474

■ 35.0390, 0.3191,
0.3337

■ 13.7675, 0.2133,
0.2295

■ 39.4149, 0.3332,
0.3437

■ 11.9208, 0.2012,
0.2113

■ 44.1561, 0.3465,
0.3526

■ 10.3275, 0.1911,
0.1932

■ 49.2719, 0.3590,
0.3604

■ 8.9656, 0.1833,
0.1758

■ 54.7710, 0.3706,
0.3672

■ 8.4238, 0.1801,
0.1683

■ 60.6620, 0.3814,
0.3732

■ 66.6877, 0.3903,
0.3786

Harmonies

Analogous

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



24.0046, 0.2700, 0.3101



24.0046, 0.2732, 0.2961



24.0046, 0.2867, 0.2912

Triad

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



24.0046, 0.2732, 0.2961



24.0046, 0.3489, 0.3263



24.0046, 0.3167, 0.3653

Complementary

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



24.0046, 0.2732, 0.2961



25.6535, 0.3580, 0.3598

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.



24.0046, 0.3384, 0.3689



24.0046, 0.2732, 0.2961



24.0046, 0.3574, 0.3454

Square

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



24.0046, 0.2732, 0.2961



24.0046, 0.3303, 0.3084



24.0046, 0.3535, 0.3611



24.0046, 0.2946, 0.3509

Rectangle

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



24.0046, 0.2732, 0.2961



24.0046, 0.2999, 0.2933



24.0046, 0.3535, 0.3611



24.0046, 0.3243, 0.3678

Sweetspot

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



24.0056, 0.2732, 0.2961



54.6036, 0.3005, 0.3195



29.2284, 0.2935, 0.3659



11.8027, 0.2983, 0.3177



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



24.0056, 0.2732, 0.2961



40.2629, 0.2637, 0.2872



18.9128, 0.2701, 0.2606



6.9828, 0.2988, 0.3181



7.0088, 0.1804, 0.1696



0.2098, 0.1996, 0.2384

Inverse Universe

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



21.3640, 0.3383, 0.2953



34.8713, 0.3461, 0.2871



31.6592, 0.3508, 0.3893



6.7014, 0.3206, 0.3173



6.3298, 0.4812, 0.2424



0.1217, 0.4039, 0.1999

Previews

White Background



This preview shows how the Yxy color 24.0046, 0.2732, 0.2961 looks on a white background.

Color Contrast Check

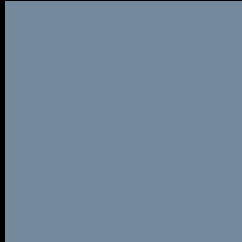
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0046, 0.2732, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

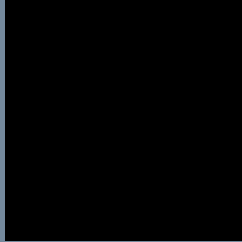
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

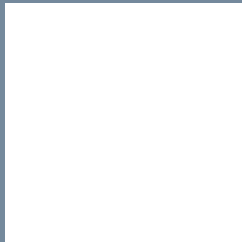
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.0046, 0.2732, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 24.0046, 0.2732, 0.2961.



This preview shows how white text looks on a background with the Yxy color 24.0046, 0.2732, 0.2961.

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

24.0046, 0.2732, 0.2961

Protanopia

23.9003, 0.2904, 0.2954

Deuteranopia

23.9012, 0.2917, 0.2863



Tritanopia

23.9917, 0.2785, 0.3096

Trichromacy



Original Color

24.0046, 0.2732, 0.2961

Protanomaly

23.8189, 0.2844, 0.2950

Deuteranomaly

23.8765, 0.2846, 0.2888

Tritanomaly

24.0888, 0.2759, 0.3045

Monochromacy



Original Color

24.0046, 0.2732, 0.2961

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.4853, 0.2979, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0046, 0.2732, 0.2961 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(116, 137, 156)` looks like.

```
.text, #text, p{  
    color:rgb(116, 137, 156)  
}
```

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(116, 137, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 137, 156) }
```

Border

The CSS property to change the border of an element to Yxy 24.0046, 0.2732, 0.2961 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(116, 137, 156) }
```

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

```
.border{ border-color:rgb(116, 137, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 137, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 137, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 137, 156);  
box-shadow:4px 4px 4px 4px rgb(116, 137,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0046, 0.2732, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 137, 156) }
```

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

```
.background{ background-color: rgb(116,  
137, 156) }
```

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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