

Converting Colors

$Y_{xy}(24.9644, 0.2742, 0.3366)$

Have a look what the booklet for
Yxy(24.9644, 0.2742, 0.3366)
contains.

Yxy(24.9406, 0.2736, 0.3362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$Y_{xy}(24.9406, 0.2736, 0.3362)$

Conversions

Conversions Part 1

Format	Color
Hex	65918D
RGB	101, 145, 141
RGB Percent	40%, 57%, 55%
CMY	0.6041, 0.4313, 0.4470
CMYK	0.30, 0.00, 0.03, 0.43
HSL	175°, 18%, 48%
HSV	175°, 30%, 57%
XYZ	20.2967, 24.9406, 28.9465
YIQ	131.3880, -24.9400, -10.5720

Conversions

Conversions Part 2

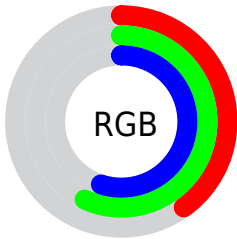
Format	Color
R_{YB}	101, 124, 145
Decimal	6656397
CIE _{Lab}	57.02, -15.87, -2.71
CIE _{LCh}	57, 16.101, 189.683
Yxy	24.9406, 0.2736, 0.3362
Android (android.graphics.Color)	4284846477 (0xFF65918D)
YUV	131.3880, 4.7387, -26.6503
Hunter-Lab	49.9406, -14.8506, 0.5928

Details

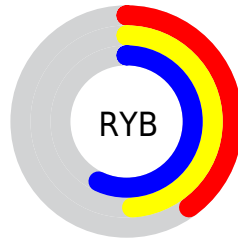
The Yxy color **24.9406, 0.2736, 0.3362** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **16.3388, 0.3721, 0.3221**, and the grayscale version is **22.8299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5593, 0.2814, 0.3342**, and **9.4645, 0.2586, 0.3373** is the 20% darker color. If you saturate the color by 10%, you get **24.1385, 0.2628, 0.3389**, and if you desaturate by 10%, it is **25.8928, 0.2856, 0.3336**.

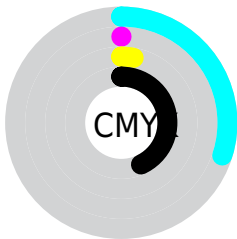
Distribution



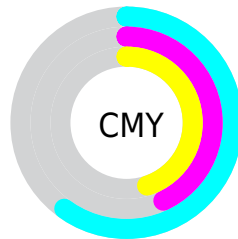
- Red (40%)
- Green (57%)
- Blue (55%)



- Red (40%)
- Yellow (49%)
- Blue (57%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (43%)





- Cyan (60%)
- Magenta (43%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.9406, 0.2736, 0.3362 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 24.9406, 0.2736, 0.3362 by changing the saturation by 10% instead.


 24.9406, 0.2736,
0.3362


 24.9406, 0.2736,
0.3362


277.5420, 0.2950,
0.3324


 16.0328, 0.2675,
0.3372


 51.5608, 0.2819,
0.3348


 9.5474, 0.2592,
0.3385


 70.0421, 0.2849,
0.3343

 5.0999, 0.2472,
0.3402

 92.4833, 0.2873,
0.3338

 2.3060, 0.2284,
0.3427

 119.2688, 0.2893,
0.3335

 0.7769, 0.1621,
0.3589

150.7830, 0.2911,
0.3332

 0.0000, 0.0000,
0.0000

187.4104, 0.2926,

0.3329

229.5352, 0.2939,
0.3326

■ 24.9406, 0.2736,
0.3362

■ 24.9406, 0.2736,
0.3362

■ 24.1385, 0.2628,
0.3389

■ 25.8928, 0.2856,
0.3336

■ 23.4759, 0.2535,
0.3418

■ 26.9994, 0.2986,
0.3313

■ 22.9451, 0.2458,
0.3447

■ 28.2680, 0.3122,
0.3291

■ 22.5368, 0.2399,
0.3477

■ 29.7050, 0.3262,
0.3271

■ 22.2404, 0.2358,
0.3508

■ 31.3164, 0.3405,
0.3253

■ 22.0434, 0.2335,
0.3538

■ 33.1079, 0.3547,
0.3238

■ 21.9155, 0.2324,
0.3567

■ 35.0849, 0.3688,
0.3224

■ 37.2527, 0.3825,
0.3212

■ 39.6162, 0.3958,
0.3202

Harmonies

Analogous

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



24.9406, 0.2960, 0.3610



24.9406, 0.2736, 0.3362



24.9406, 0.2616, 0.3105

Triad

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



24.9406, 0.2736, 0.3362



24.9406, 0.2999, 0.2866



24.9406, 0.3651, 0.3644

Complementary

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



24.9406, 0.2736, 0.3362



16.3388, 0.3721, 0.3221

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.



24.9406, 0.3667, 0.3436



24.9406, 0.2736, 0.3362



24.9406, 0.3281, 0.2999

Square

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



24.9406, 0.2736, 0.3362



24.9406, 0.2763, 0.2833



24.9406, 0.3529, 0.3203



24.9406, 0.3491, 0.3769

Rectangle

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



24.9406, 0.2736, 0.3362



24.9406, 0.2608, 0.2968



24.9406, 0.3529, 0.3203



24.9406, 0.3674, 0.3581

Sweetspot

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



24.9416, 0.2736, 0.3362



48.5995, 0.3001, 0.3310



24.2180, 0.3132, 0.4135



10.7489, 0.2984, 0.3313



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.9416, 0.2736, 0.3362



43.7138, 0.2666, 0.3379



20.0884, 0.2667, 0.2958



6.1080, 0.3002, 0.3310



18.7967, 0.2324, 0.3565



0.1813, 0.2282, 0.3416

Inverse Universe

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



16.3388, 0.3721, 0.3221



25.9296, 0.3901, 0.3206



20.0530, 0.3693, 0.3599



5.4315, 0.3268, 0.3270



5.1906, 0.6263, 0.3224



0.0509, 0.5690, 0.2908

Previews

White Background



This preview shows how the Yxy color 24.9406, 0.2736, 0.3362 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 24.9406, 0.2736, 0.3362 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 24.9406, 0.2736, 0.3362

Background



This preview shows how black text looks on a background with the Yxy color 24.9406, 0.2736, 0.3362.



This preview shows how white text looks on a background with the Yxy color 24.9406, 0.2736, 0.3362.

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

24.9406, 0.2736, 0.3362

Protanopia

24.8749, 0.3161, 0.3290

Deuteranopia

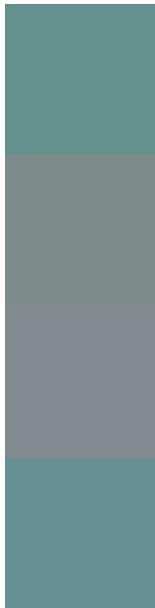
24.6271, 0.3159, 0.3095



Tritanopia

24.9211, 0.2653, 0.3094

Trichromacy



Original Color

24.9406, 0.2736, 0.3362

Protanomaly

24.6602, 0.2988, 0.3307

Deuteranomaly

24.6203, 0.2991, 0.3187

Tritanomaly

25.0000, 0.2686, 0.3199

Monochromacy



Original Color

24.9406, 0.2736, 0.3362

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.3507, 0.2964, 0.3307

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9406, 0.2736, 0.3362 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(101, 145, 141)` looks like.

```
.text, #text, p{  
    color:rgb(101, 145, 141)  
}
```

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(101, 145, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 145, 141) }
```

Border

The CSS property to change the border of an element to Yxy 24.9406, 0.2736, 0.3362 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(101, 145, 141) }
```

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

```
.border{ border-color:rgb(101, 145, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 145, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 145, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 145, 141);  
box-shadow:4px 4px 4px 4px rgb(101, 145,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9406, 0.2736, 0.3362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 145, 141) }
```

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

```
.background{ background-color: rgb(101,  
145, 141) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor