

Converting Colors

$Y_{xy}(24.4178, 0.2832, 0.3187)$

Have a look what the booklet for
Yxy(24.4178, 0.2832, 0.3187)
contains.

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Color

$\text{Yxy}(24.5135, 0.2832, 0.3201)$

Conversions

Conversions Part 1

Format	Color
Hex	748C91
RGB	116, 140, 145
RGB Percent	45%, 55%, 57%
CMY	0.5453, 0.4509, 0.4313
CMYK	0.20, 0.03, 0.00, 0.43
HSL	190°, 12%, 51%
HSV	190°, 20%, 57%
XYZ	21.6877, 24.5135, 30.3796
YIQ	133.3940, -15.9090, -3.5330

Conversions

Conversions Part 2

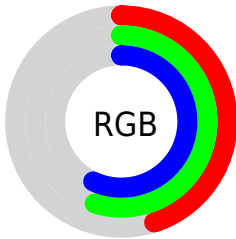
Format	Color
R _Y B	116, 129, 145
Decimal	7638161
CIE Lab	56.60, -7.39, -5.52
CIE LCh	57, 9.222, 216.759
Yxy	24.5135, 0.2832, 0.3201
Android (android.graphics.Color)	4285828241 (0xFF748C91)
YUV	133.3940, 5.7218, -15.2545
Hunter-Lab	49.5111, -8.4549, -1.7221

Details

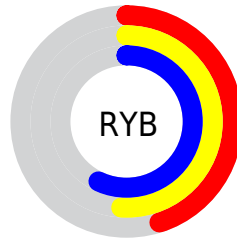
The Yxy color **24.5135, 0.2832, 0.3201** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **20.9445, 0.3493, 0.3377**, and the grayscale version is **23.5877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0319, 0.2891, 0.3225**, and **9.3318, 0.2718, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **22.8768, 0.2693, 0.3151**, and if you desaturate by 10%, it is **26.3239, 0.2978, 0.3247**.

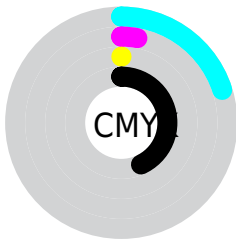
Distribution



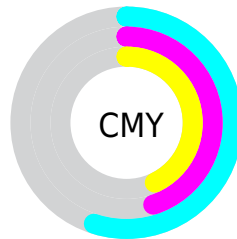
- Red (45%)
- Green (55%)
- Blue (57%)



- Red (45%)
- Yellow (51%)
- Blue (57%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (43%)





- Cyan (55%)
- Magenta (45%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5135, 0.2832, 0.3201 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 24.5135, 0.2832, 0.3201 by changing the saturation by 10% instead.


 24.5135, 0.2832,
0.3201


 24.5135, 0.2832,
0.3201


275.4064, 0.2994,
0.3252


 15.7150, 0.2786,
0.3186


 50.8669, 0.2895,
0.3221

 9.3227, 0.2723,
0.3164


 69.1905, 0.2917,
0.3228

 4.9523, 0.2631,
0.3131

 91.4580, 0.2936,
0.3234

 2.2193, 0.2487,
0.3077

118.0536, 0.2951,
0.3239

 0.7305, 0.2104,
0.2991

149.3619, 0.2964,
0.3243

 0.0000, 0.0000,
0.0000

185.7672, 0.2976,

0.3246

227.6539, 0.2985,
0.3249

■ 24.5135, 0.2832,
0.3201

■ 24.5135, 0.2832,
0.3201

■ 22.8768, 0.2693,
0.3151

■ 26.3239, 0.2978,
0.3247

■ 21.4034, 0.2562,
0.3098

■ 28.3117, 0.3127,
0.3290

■ 20.0865, 0.2444,
0.3041

■ 30.4844, 0.3277,
0.3328

■ 18.9176, 0.2340,
0.2983

■ 32.8480, 0.3426,
0.3363

■ 17.8871, 0.2253,
0.2923

■ 35.4084, 0.3572,
0.3394

■ 16.9844, 0.2184,
0.2863

■ 38.1710, 0.3714,
0.3421

■ 16.1970, 0.2133,
0.2803

■ 41.1413, 0.3851,
0.3444

■ 15.4937, 0.2095,
0.2743

■ 44.3242, 0.3982,
0.3465

■ 47.7247, 0.4107,
0.3482

Harmonies

Analogous

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



24.5135, 0.2911, 0.3348



24.5135, 0.2832, 0.3201



24.5135, 0.2830, 0.3084

Triad

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



24.5135, 0.2832, 0.3201



24.5135, 0.3202, 0.3109



24.5135, 0.3350, 0.3562

Complementary

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



24.5135, 0.2832, 0.3201



20.9445, 0.3493, 0.3377

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.



24.5135, 0.3433, 0.3489



24.5135, 0.2832, 0.3201



24.5135, 0.3346, 0.3229

Square

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



24.5135, 0.2832, 0.3201



24.5135, 0.3040, 0.3035



24.5135, 0.3432, 0.3366



24.5135, 0.3209, 0.3561

Rectangle

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



24.5135, 0.2832, 0.3201



24.5135, 0.2872, 0.3037



24.5135, 0.3432, 0.3366



24.5135, 0.3386, 0.3545

Sweetspot

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



24.5145, 0.2832, 0.3201



48.4885, 0.3036, 0.3264



25.3392, 0.3057, 0.3731



10.7431, 0.3027, 0.3262



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.



24.5145, 0.2832, 0.3201



42.5490, 0.2769, 0.3179



20.5852, 0.2816, 0.2939



5.9607, 0.2990, 0.3251



13.3208, 0.2096, 0.2747



0.1543, 0.2176, 0.3033

Inverse Universe

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



20.3957, 0.3208, 0.2889



33.8819, 0.3230, 0.2797



24.6994, 0.3448, 0.3618



5.4953, 0.3162, 0.3110



6.3311, 0.3684, 0.1803



0.0632, 0.3425, 0.1660

Previews

White Background



This preview shows how the Yxy color 24.5135, 0.2832, 0.3201 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 24.5135, 0.2832, 0.3201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

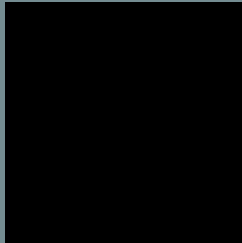
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

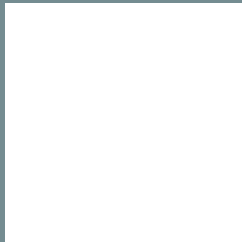
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.5135, 0.2832, 0.3201

Background



This preview shows how black text looks on a background with the Yxy color 24.5135, 0.2832, 0.3201.



This preview shows how white text looks on a background with the Yxy color 24.5135, 0.2832, 0.3201.

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

24.5135, 0.2832, 0.3201

Protanopia

24.5152, 0.3066, 0.3172

Deuteranopia

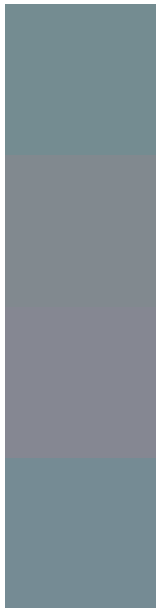
24.4488, 0.3094, 0.3044



Tritanopia

24.4492, 0.2797, 0.3097

Trichromacy



Original Color

24.5135, 0.2832, 0.3201

Protanomaly

24.5416, 0.2981, 0.3187

Deuteranomaly

24.3898, 0.2994, 0.3104

Tritanomaly

24.3853, 0.2814, 0.3132

Monochromacy



Original Color

24.5135, 0.2832, 0.3201

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.9265, 0.3019, 0.3272

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5135, 0.2832, 0.3201 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, 140, 145)` looks like.

```
.text, #text, p{  
    color:rgb(116, 140, 145)  
}
```

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, 140, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 140, 145) }
```

Border

The CSS property to change the border of an element to Yxy 24.5135, 0.2832, 0.3201 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, 140, 145) }
```

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

```
.border{ border-color:rgb(116, 140, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 140, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 140, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 140, 145); box-shadow:4px 4px 4px 4px rgb(116, 140, 145) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5135, 0.2832, 0.3201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 140, 145) }
```

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

```
.background{ background-color: rgb(116,  
140, 145) }
```

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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