

Converting Colors

$Y_{xy}(24.0911, 0.2813, 0.3479)$

Have a look what the booklet for
Yxy(24.0911, 0.2813, 0.3479)
contains.

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Color

Yxy(24.1632, 0.2810, 0.3476)

Conversions

Conversions Part 1

Format	Color
Hex	668F85
RGB	102, 143, 133
RGB Percent	40%, 56%, 52%
CMY	0.6000, 0.4392, 0.4785
CMYK	0.29, 0.00, 0.07, 0.44
HSL	165°, 17%, 48%
HSV	165°, 29%, 56%
XYZ	19.5335, 24.1632, 25.8176
YIQ	129.6010, -21.2260, -11.8020

Conversions

Conversions Part 2

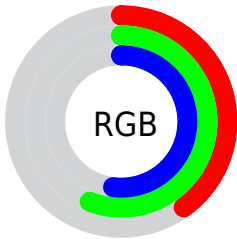
Format	Color
R_{YB}	102, 125, 143
Decimal	6721413
CIE _{Lab}	56.25, -16.36, 0.78
CIE _{LCh}	56, 16.380, 177.266
Yxy	24.1632, 0.2810, 0.3476
Android (android.graphics.Color)	4284911493 (0xFF668F85)
YUV	129.6010, 1.6757, -24.2061
Hunter-Lab	49.1561, -15.0912, 3.2691

Details

The Yxy color $24.1632, 0.2810, 0.3476$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $16.5112, 0.3583, 0.3113$, and the grayscale version is $22.1740, 0.3127, 0.3290$.

A 20% lighter version of the original color is $50.3477, 0.2878, 0.3438$, and $9.2257, 0.2685, 0.3547$ is the 20% darker color. If you saturate the color by 10%, you get $23.3046, 0.2715, 0.3552$, and if you desaturate by 10%, it is $25.1712, 0.2915, 0.3406$.

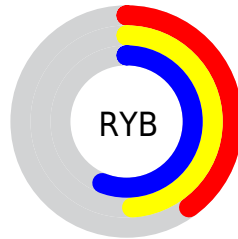
Distribution



Red (40%)

Green (56%)

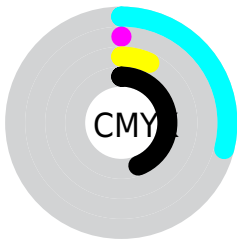
Blue (52%)



Red (40%)

Yellow (49%)

Blue (56%)

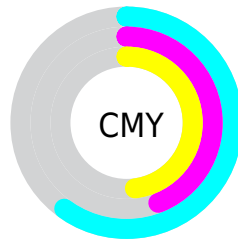


Cyan (29%)

Magenta (0%)

Yellow (7%)

Black (44%)



Cyan (60%)


Magenta (44%)


Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.1632, 0.2810, 0.3476 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 24.1632, 0.2810, 0.3476 by changing the saturation by 10% instead.


 24.1632, 0.2810,
0.3476


 24.1632, 0.2810,
0.3476


273.6445, 0.2986,
0.3373


 15.4547, 0.2759,
0.3506


 50.2964, 0.2879,
0.3436

 9.1391, 0.2689,
0.3548


 68.4899, 0.2903,
0.3421

 4.8321, 0.2586,
0.3609

 90.6139, 0.2923,
0.3410

 2.1491, 0.2421,
0.3709

 117.0527, 0.2940,
0.3400

 0.6920, 0.1566,
0.4196

148.1908, 0.2954,
0.3391

 0.0000, 0.0000,
0.0000

184.4125, 0.2966,

0.3384

226.1023, 0.2977,
0.3378

■ 24.1632, 0.2810,
0.3476

■ 24.1632, 0.2810,
0.3476

■ 23.3046, 0.2715,
0.3552

■ 25.1712, 0.2915,
0.3406

■ 22.5849, 0.2632,
0.3632

■ 26.3324, 0.3027,
0.3341

■ 21.9970, 0.2564,
0.3716

■ 27.6544, 0.3143,
0.3283

■ 21.5320, 0.2513,
0.3803

■ 29.1431, 0.3261,
0.3230

■ 21.1799, 0.2480,
0.3892

■ 30.8045, 0.3380,
0.3183

■ 20.9289, 0.2466,
0.3980

■ 32.6439, 0.3497,
0.3141

■ 20.7529, 0.2467,
0.4069

■ 34.6666, 0.3612,
0.3105

■ 20.7309, 0.2467,
0.4080

■ 36.8776, 0.3723,
0.3073

■ 39.2818, 0.3831,
0.3045

Harmonies

Analogous

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



24.1632, 0.3071, 0.3700



24.1632, 0.2810, 0.3476



24.1632, 0.2638, 0.3204

Triad

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



24.1632, 0.2810, 0.3476



24.1632, 0.2886, 0.2827



24.1632, 0.3693, 0.3572

Complementary

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



24.1632, 0.2810, 0.3476



16.5112, 0.3583, 0.3113

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.



24.1632, 0.3641, 0.3340



24.1632, 0.2810, 0.3476



24.1632, 0.3164, 0.2924

Square

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



24.1632, 0.2810, 0.3476



24.1632, 0.2680, 0.2841



24.1632, 0.3444, 0.3108



24.1632, 0.3585, 0.3743

Rectangle

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



24.1632, 0.2810, 0.3476



24.1632, 0.2592, 0.3041



24.1632, 0.3444, 0.3108



24.1632, 0.3694, 0.3498

Sweetspot

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



24.1642, 0.2810, 0.3476



47.0397, 0.3021, 0.3344



24.0669, 0.3197, 0.4064



10.7207, 0.3006, 0.3353



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.



24.1642, 0.2810, 0.3476



42.3097, 0.2751, 0.3521



21.5150, 0.2705, 0.3098



6.0941, 0.3021, 0.3344



18.3314, 0.2466, 0.4076



0.1787, 0.2351, 0.3664

Inverse Universe

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



16.5112, 0.3583, 0.3113



26.4334, 0.3717, 0.3074



18.4417, 0.3682, 0.3474



5.4444, 0.3245, 0.3236



5.2733, 0.5887, 0.3017



0.0535, 0.4865, 0.2454

Previews

White Background



This preview shows how the Yxy color 24.1632, 0.2810, 0.3476 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 24.1632, 0.2810, 0.3476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

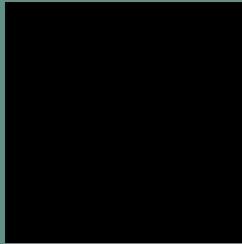
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.1632, 0.2810, 0.3476

Background



This preview shows how black text looks on a background with the Yxy color 24.1632, 0.2810, 0.3476.



This preview shows how white text looks on a background with the Yxy color 24.1632, 0.2810, 0.3476.

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

24.1632, 0.2810, 0.3476

Protanopia

24.0120, 0.3236, 0.3393

Deuteranopia

23.9459, 0.3260, 0.3191



Tritanopia

24.0873, 0.2680, 0.3075

Trichromacy



Original Color

24.1632, 0.2810, 0.3476

Protanomaly

23.8630, 0.3067, 0.3414

Deuteranomaly

23.9025, 0.3083, 0.3290

Tritanomaly

24.0973, 0.2731, 0.3216

Monochromacy



Original Color

24.1632, 0.2810, 0.3476

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.9597, 0.3003, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1632, 0.2810, 0.3476 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(102, 143, 133)` looks like.

```
.text, #text, p{  
    color:rgb(102, 143, 133)  
}
```

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(102, 143, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 143, 133) }
```

Border

The CSS property to change the border of an element to Yxy 24.1632, 0.2810, 0.3476 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(102, 143, 133) }
```

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

```
.border{ border-color:rgb(102, 143, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 143, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 143, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 143, 133);  
box-shadow:4px 4px 4px 4px rgb(102, 143,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1632, 0.2810, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 143, 133) }
```

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

```
.background{ background-color: rgb(102,  
143, 133) }
```

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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