

Converting Colors

$Yxy(20.3864, 0.3088, 0.3972)$

Have a look what the booklet for
Yxy(20.3864, 0.3088, 0.3972)
contains.

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Color

Yxy(20.3478, 0.3085, 0.3964)

Conversions

Conversions Part 1

Format	Color
Hex	638564
RGB	99, 133, 100
RGB Percent	39%, 52%, 39%
CMY	0.6116, 0.4784, 0.6079
CMYK	0.26, 0.00, 0.25, 0.48
HSL	122°, 15%, 45%
HSV	122°, 26%, 52%
XYZ	15.8358, 20.3478, 15.1479
YIQ	119.0720, -9.6710, -17.4710

Conversions

Conversions Part 2

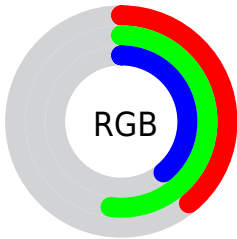
Format	Color
R_{YB}	99, 132, 133
Decimal	6522212
CIE _{Lab}	52.23, -18.96, 14.00
CIE _{LCh}	52, 23.568, 143.549
Yxy	20.3478, 0.3085, 0.3964
Android (android.graphics.Color)	4284712292 (0xFF638564)
YUV	119.0720, -9.4025, -17.6031
Hunter-Lab	45.1085, -16.2759, 11.6658

Details

The Yxy color $20.3478, 0.3085, 0.3964$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $15.5831, 0.3168, 0.2697$, and the grayscale version is $18.5066, 0.3127, 0.3290$.

A 20% lighter version of the original color is $43.8362, 0.3095, 0.3798$, and $7.1474, 0.3050, 0.4273$ is the 20% darker color. If you saturate the color by 10%, you get $19.4292, 0.3067, 0.4279$, and if you desaturate by 10%, it is $21.4312, 0.3102, 0.3676$.

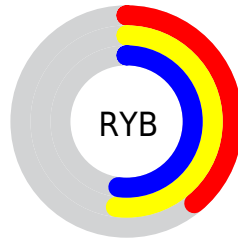
Distribution



Red (39%)

Green (52%)

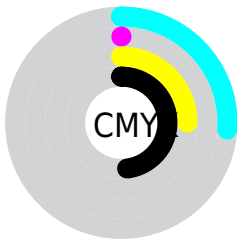
Blue (39%)



Red (39%)

Yellow (52%)

Blue (52%)

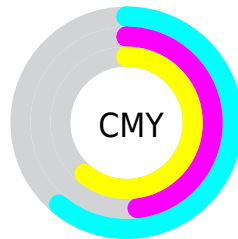


Cyan (26%)

Magenta (0%)

Yellow (25%)

Black (48%)



Cyan (61%)


Magenta (48%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3478, 0.3085, 0.3964 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 20.3478, 0.3085, 0.3964 by changing the saturation by 10% instead.


 20.3478, 0.3085,
0.3964


 20.3478, 0.3085,
0.3964


253.7918, 0.3116,
0.3568


 12.6481, 0.3072,
0.4090


 43.9995, 0.3100,
0.3802

 7.1867, 0.3049,
0.4274

 60.7204, 0.3104,
0.3747

 3.5791, 0.3007,
0.4565

 81.2170, 0.3107,
0.3702

 1.4410, 0.2985,
0.5221

 105.8739, 0.3110,
0.3666

 0.2467, 0.0000,
1.0000

135.0755, 0.3112,
0.3635

 0.0000, 0.0000,
0.0000

169.2060, 0.3113,

0.3609

208.6500, 0.3115,
0.3587

■ 20.3478, 0.3085,
0.3964

■ 20.3478, 0.3085,
0.3964

■ 19.4292, 0.3067,
0.4279

■ 21.4312, 0.3102,
0.3676

■ 18.6650, 0.3049,
0.4614

■ 22.6841, 0.3119,
0.3419

■ 18.0474, 0.3031,
0.4952

■ 24.1145, 0.3134,
0.3193

■ 17.5671, 0.3017,
0.5275

■ 25.7287, 0.3147,
0.2996

■ 17.2135, 0.3005,
0.5557

■ 27.5330, 0.3159,
0.2827

■ 16.9747, 0.2999,
0.5778

■ 29.5334, 0.3170,
0.2680

■ 16.8333, 0.2996,
0.5923

■ 31.7354, 0.3179,
0.2554

■ 16.7824, 0.2993,
0.5974

■ 34.1445, 0.3187,
0.2445

■ 36.7659, 0.3195,
0.2351

Harmonies

Analogous

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



20.3478, 0.3512, 0.4074



20.3478, 0.3085, 0.3964



20.3478, 0.2687, 0.3626

Triad

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



20.3478, 0.3085, 0.3964



20.3478, 0.2433, 0.2630



20.3478, 0.3889, 0.3307

Complementary

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



20.3478, 0.3085, 0.3964



15.5831, 0.3168, 0.2697

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.



20.3478, 0.3560, 0.2976



20.3478, 0.3085, 0.3964



20.3478, 0.2713, 0.2597

Square

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



20.3478, 0.3085, 0.3964



20.3478, 0.2329, 0.2836



20.3478, 0.3122, 0.2723



20.3478, 0.3995, 0.3656

Rectangle

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



20.3478, 0.3085, 0.3964



20.3478, 0.2488, 0.3339



20.3478, 0.3122, 0.2723



20.3478, 0.3800, 0.3192

Sweetspot

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



20.3487, 0.3085, 0.3964



40.0011, 0.3115, 0.3484



22.6159, 0.3490, 0.3903



8.9429, 0.3112, 0.3517



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.3487, 0.3085, 0.3964



35.3932, 0.3074, 0.4156



20.7032, 0.2921, 0.3617



5.2067, 0.3113, 0.3507



15.9866, 0.2992, 0.5973



0.0555, 0.2958, 0.5850

Inverse Universe

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



15.5831, 0.3168, 0.2697



25.2517, 0.3179, 0.2554



15.1644, 0.3398, 0.2985



4.7606, 0.3141, 0.3082



6.2656, 0.3279, 0.1580



0.0219, 0.3241, 0.1559

Previews

White Background



This preview shows how the Yxy color 20.3478, 0.3085, 0.3964 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 20.3478, 0.3085, 0.3964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

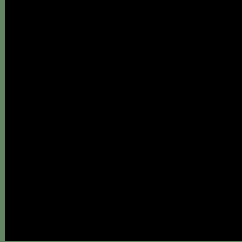
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.3478, 0.3085, 0.3964

Background



This preview shows how black text looks on a background with the Yxy color 20.3478, 0.3085, 0.3964.



This preview shows how white text looks on a background with the Yxy color 20.3478, 0.3085, 0.3964.

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

20.3478, 0.3085, 0.3964

Protanopia

20.2464, 0.3569, 0.3805

Deuteranopia

20.1022, 0.3651, 0.3572



Tritanopia

20.3375, 0.2782, 0.3100

Trichromacy



Original Color

20.3478, 0.3085, 0.3964

Protanomaly

20.1068, 0.3391, 0.3867

Deuteranomaly

19.9638, 0.3432, 0.3702

Tritanomaly

20.3041, 0.2888, 0.3407

Monochromacy



Original Color

20.3478, 0.3085, 0.3964

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

19.0299, 0.3116, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3478, 0.3085, 0.3964 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(99, 133, 100)` looks like.

```
.text, #text, p{  
    color:rgb(99, 133, 100)  
}
```

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(99, 133, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 133, 100) }
```

Border

The CSS property to change the border of an element to Yxy 20.3478, 0.3085, 0.3964 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(99, 133, 100) }
```

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

```
.border{ border-color:rgb(99, 133, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 133, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 133, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 133, 100);  
box-shadow:4px 4px 4px 4px rgb(99, 133,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3478, 0.3085, 0.3964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 133, 100) }
```

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

```
.background{ background-color: rgb(99, 133,  
100) }
```

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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