

Converting Colors

$Y_{xy}(20.1443, 0.3113, 0.3832)$

Have a look what the booklet for
Yxy(20.1443, 0.3113, 0.3832)
contains.

Yxy(20.2353, 0.3113, 0.3832)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2353, 0.3113, 0.3832)

Conversions

Conversions Part 1

Format	Color
Hex	698368
RGB	105, 131, 104
RGB Percent	41%, 51%, 41%
CMY	0.5883, 0.4862, 0.5922
CMYK	0.20, 0.00, 0.21, 0.49
HSL	118°, 11%, 46%
HSV	118°, 21%, 51%
XYZ	16.4385, 20.2353, 16.1323
YIQ	120.1480, -6.8290, -13.9090

Conversions

Conversions Part 2

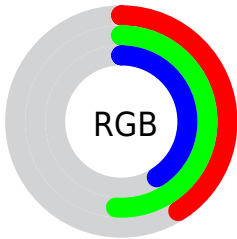
Format	Color
RYB	104, 131, 130
Decimal	6914920
CIELab	52.10, -14.97, 11.59
CIElCh	52, 18.929, 142.253
Yxy	20.2353, 0.3113, 0.3832
Android (android.graphics.Color)	4285105000 (0xFF698368)
YUV	120.1480, -7.9610, -13.2848
Hunter-Lab	44.9837, -13.4915, 10.2257

Details

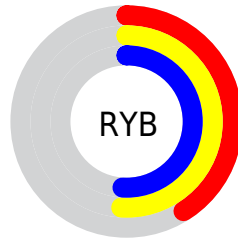
The Yxy color **20.2353, 0.3113, 0.3832** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.2836, 0.3137, 0.2798**, and the grayscale version is **18.8589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8156, 0.3124, 0.3704**, and **7.1999, 0.3090, 0.4087** is the 20% darker color. If you saturate the color by 10%, you get **19.2823, 0.3103, 0.4141**, and if you desaturate by 10%, it is **21.3448, 0.3121, 0.3553**.

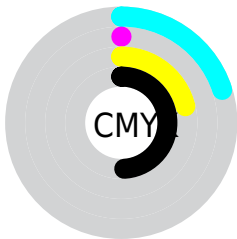
Distribution



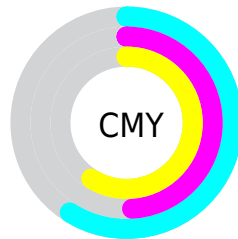
- Red (41%)
- Green (51%)
- Blue (41%)



- Red (41%)
- Yellow (51%)
- Blue (51%)



- Cyan (20%)
- Magenta (0%)
- Yellow (21%)
- Black (49%)





- Cyan (59%)
- Magenta (49%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2353, 0.3113, 0.3832 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 20.2353, 0.3113, 0.3832 by changing the saturation by 10% instead.


 20.2353, 0.3113,
0.3832


 20.2353, 0.3113,
0.3832


253.1861, 0.3126,
0.3515

 12.5662, 0.3107,
0.3932


 43.8113, 0.3119,
0.3703

 7.1305, 0.3096,
0.4078


 60.4871, 0.3121,
0.3659

 3.5439, 0.3073,
0.4307

 80.9338, 0.3123,
0.3623

 1.4218, 0.3053,
0.4771

 105.5359, 0.3123,
0.3594

 0.2327, 0.0000,
1.0000

134.6778, 0.3124,
0.3569

 0.0000, 0.0000,
0.0000

168.7438, 0.3125,

0.3549

208.1185, 0.3125,
0.3531

■ 20.2353, 0.3113,
0.3832

■ 20.2353, 0.3113,
0.3832

■ 19.2823, 0.3103,
0.4141

■ 21.3448, 0.3121,
0.3553

■ 18.4762, 0.3092,
0.4473

■ 22.6146, 0.3127,
0.3304

■ 17.8106, 0.3078,
0.4815

■ 24.0517, 0.3132,
0.3087

■ 17.2774, 0.3063,
0.5150

■ 25.6618, 0.3135,
0.2899

■ 16.8678, 0.3048,
0.5454

■ 27.4505, 0.3138,
0.2735

■ 16.5718, 0.3032,
0.5703

■ 29.4229, 0.3140,
0.2594

■ 16.3780, 0.3018,
0.5878

■ 31.5842, 0.3141,
0.2473

■ 16.2659, 0.3012,
0.5991

■ 33.9390, 0.3142,
0.2368

■ 36.4922, 0.3142,
0.2277

Harmonies

Analogous

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



20.2353, 0.3457, 0.3917



20.2353, 0.3113, 0.3832



20.2353, 0.2785, 0.3573

Triad

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



20.2353, 0.3113, 0.3832



20.2353, 0.2555, 0.2759



20.2353, 0.3730, 0.3298

Complementary

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



20.2353, 0.3113, 0.3832



16.2836, 0.3137, 0.2798

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.



20.2353, 0.3462, 0.3025



20.2353, 0.3113, 0.3832



20.2353, 0.2781, 0.2722

Square

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



20.2353, 0.3113, 0.3832



20.2353, 0.2475, 0.2939



20.2353, 0.3110, 0.2819



20.2353, 0.3825, 0.3583

Rectangle

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



20.2353, 0.3113, 0.3832



20.2353, 0.2618, 0.3349



20.2353, 0.3110, 0.2819



20.2353, 0.3656, 0.3202

Sweetspot

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



20.2362, 0.3113, 0.3832



39.2029, 0.3124, 0.3437



21.6993, 0.3429, 0.3759



9.0994, 0.3123, 0.3451



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.



20.2362, 0.3113, 0.3832



35.3544, 0.3108, 0.3982



20.4414, 0.2978, 0.3583



5.2123, 0.3122, 0.3514



16.0095, 0.3012, 0.5991



0.0560, 0.3066, 0.5947

Inverse Universe

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



16.2836, 0.3137, 0.2798



26.8743, 0.3139, 0.2678



16.0522, 0.3311, 0.3014



4.7543, 0.3132, 0.3075



5.9923, 0.3120, 0.1492



0.0214, 0.3168, 0.1519

Previews

White Background



This preview shows how the Yxy color 20.2353, 0.3113, 0.3832 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 20.2353, 0.3113, 0.3832 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 20.2353, 0.3113, 0.3832

Background



This preview shows how black text looks on a background with the Yxy color 20.2353, 0.3113, 0.3832.



This preview shows how white text looks on a background with the Yxy color 20.2353, 0.3113, 0.3832.

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

20.2353, 0.3113, 0.3832

Protanopia

20.1607, 0.3495, 0.3735

Deuteranopia

19.9850, 0.3586, 0.3521



Tritanopia

20.3644, 0.2843, 0.3102

Trichromacy



Original Color

20.2353, 0.3113, 0.3832

Protanomaly

20.2559, 0.3358, 0.3786

Deuteranomaly

19.8530, 0.3413, 0.3626

Tritanomaly

20.1702, 0.2942, 0.3347

Monochromacy



Original Color

20.2353, 0.3113, 0.3832

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

19.2750, 0.3130, 0.3484

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2353, 0.3113, 0.3832 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(105, 131, 104)` looks like.

```
.text, #text, p{  
    color:rgb(105, 131, 104)  
}
```

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(105, 131, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 131, 104) }
```

Border

The CSS property to change the border of an element to Yxy 20.2353, 0.3113, 0.3832 is called "border". The border property can be set on classes, ids or directly on the HTML element.

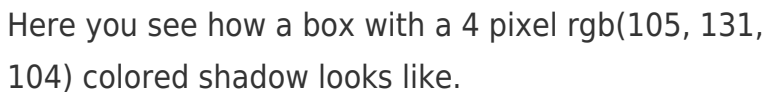
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 131, 104) }
```

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

```
.border{ border-color:rgb(105, 131, 104) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 131, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 131, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 131, 104);  
box-shadow:4px 4px 4px 4px rgb(105, 131,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2353, 0.3113, 0.3832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 131, 104) }
```

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

```
.background{ background-color: rgb(105,  
131, 104) }
```

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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