

Converting Colors

$Y_{xy}(20.4639, 0.3168, 0.3125)$

Have a look what the booklet for
Yxy(20.4639, 0.3168, 0.3125)
contains.

Yxy(20.6261, 0.3171, 0.3131)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6261, 0.3171, 0.3131)

Conversions

Conversions Part 1

Format	Color
Hex	867A83
RGB	134, 122, 131
RGB Percent	53%, 48%, 51%
CMY	0.4745, 0.5216, 0.4862
CMYK	0.00, 0.09, 0.02, 0.47
HSL	315°, 5%, 50%
HSV	315°, 9%, 53%
XYZ	20.8896, 20.6261, 24.3613
YIQ	126.6140, 4.2630, 5.3430

Conversions

Conversions Part 2

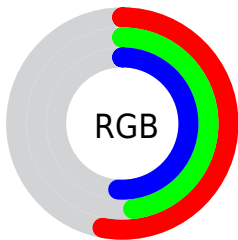
Format	Color
R_{YB}	134, 122, 131
Decimal	8813187
CIE Lab	52.54, 6.32, -3.25
CIE LCh	53, 7.105, 332.800
Yxy	20.6261, 0.3171, 0.3131
Android (android.graphics.Color)	4287003267 (0xFF867A83)
YUV	126.6140, 2.1623, 6.4775
Hunter-Lab	45.4160, 2.6252, -0.0122

Details

The Yxy color $20.6261, 0.3171, 0.3131$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $22.6694, 0.3086, 0.3454$, and the grayscale version is $21.0767, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.2976, 0.3160, 0.3161$, and $7.2591, 0.3176, 0.3049$ is the 20% darker color. If you saturate the color by 10%, you get $17.4712, 0.3227, 0.2947$, and if you desaturate by 10%, it is $24.2395, 0.3122, 0.3308$.

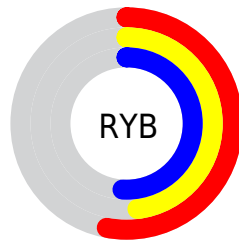
Distribution



Red (53%)

Green (48%)

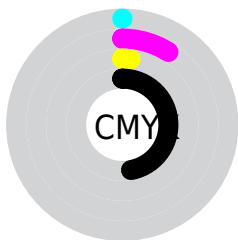
Blue (51%)



Red (53%)

Yellow (48%)

Blue (51%)

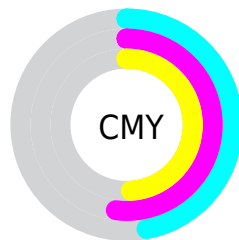


Cyan (0%)

Magenta (9%)

Yellow (2%)

Black (47%)



Cyan (47%)

Magenta (52%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.6261, 0.3171, 0.3131 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 20.6261, 0.3171, 0.3131 by changing the saturation by 10% instead.

■ 20.6261, 0.3171,
0.3131

■ 20.6261, 0.3171,
0.3131

255.2847, 0.3147,
0.3220

■ 12.8510, 0.3178,
0.3105

■ 44.4644, 0.3161,
0.3166

■ 7.3260, 0.3188,
0.3068

■ 61.2964, 0.3158,
0.3179

■ 3.6668, 0.3203,
0.3012

■ 81.9161, 0.3155,
0.3189

■ 1.4890, 0.3226,
0.2921

106.7080, 0.3153,
0.3197

■ 0.2810, 0.3411,
0.2275

136.0564, 0.3151,
0.3204

■ 0.0000, 0.0000,
0.0000

170.3457, 0.3149,

0.3210

209.9603, 0.3148,
0.3216

■ 20.6261, 0.3171,
0.3131

■ 20.6261, 0.3171,
0.3131

■ 17.4712, 0.3227,
0.2947

■ 24.2395, 0.3122,
0.3308

■ 14.7535, 0.3292,
0.2759

■ 28.3262, 0.3081,
0.3475

■ 12.4544, 0.3366,
0.2574

■ 32.9035, 0.3046,
0.3632

■ 10.5525, 0.3448,
0.2397

■ 37.9872, 0.3016,
0.3777

■ 9.0246, 0.3537,
0.2239

■ 43.5922, 0.2992,
0.3911

7.8452, 0.3632,
0.2108

49.7329, 0.2971,
0.4033

6.9856, 0.3729,
0.2013

56.4232, 0.2953,
0.4146

6.4124, 0.3827,
0.1960

63.6764, 0.2939,
0.4248

6.0402, 0.3923,
0.1942

71.5054, 0.2927,
0.4342

Harmonies

Analogous

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



20.6261, 0.3040, 0.3076



20.6261, 0.3171, 0.3131



20.6261, 0.3292, 0.3226

Triad

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



20.6261, 0.3171, 0.3131



20.6261, 0.3322, 0.3507



20.6261, 0.2891, 0.3233

Complementary

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



20.6261, 0.3171, 0.3131



22.6694, 0.3086, 0.3454

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.



20.6261, 0.2963, 0.3353



20.6261, 0.3171, 0.3131



20.6261, 0.3211, 0.3514

Square

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



20.6261, 0.3171, 0.3131



20.6261, 0.3380, 0.3442



20.6261, 0.3080, 0.3457



20.6261, 0.2880, 0.3132

Rectangle

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



20.6261, 0.3171, 0.3131



20.6261, 0.3351, 0.3301



20.6261, 0.3080, 0.3457



20.6261, 0.2908, 0.3273

Sweetspot

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



20.6270, 0.3171, 0.3131



39.9911, 0.3141, 0.3236



19.9852, 0.3027, 0.3072



8.9032, 0.3145, 0.3223



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.



20.6270, 0.3171, 0.3131



35.0008, 0.3183, 0.3090



20.4734, 0.3239, 0.3233



4.7436, 0.3172, 0.3128



5.6271, 0.3931, 0.1939



0.0207, 0.3539, 0.1723

Inverse Universe

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



20.6270, 0.3171, 0.3131



35.0008, 0.3183, 0.3090



22.8226, 0.3027, 0.3347



4.7436, 0.3172, 0.3128



5.6271, 0.3931, 0.1939



0.0207, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 20.6261, 0.3171, 0.3131 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 20.6261, 0.3171, 0.3131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

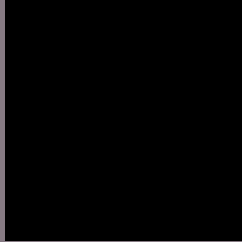
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.6261, 0.3171, 0.3131

Background



This preview shows how black text looks on a background with the Yxy color 20.6261, 0.3171, 0.3131.



This preview shows how white text looks on a background with the Yxy color 20.6261, 0.3171, 0.3131.

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

20.6261, 0.3171, 0.3131

Protanopia

20.7963, 0.3051, 0.3146

Deuteranopia

20.7087, 0.3183, 0.3132



Tritanopia

20.6261, 0.3171, 0.3131

Trichromacy



Original Color

20.6261, 0.3171, 0.3131

Protanomaly

20.7484, 0.3098, 0.3147

Deuteranomaly

20.7087, 0.3183, 0.3132

Tritanomaly

20.6261, 0.3171, 0.3131

Monochromacy



Original Color

20.6261, 0.3171, 0.3131

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

20.9716, 0.3154, 0.3236

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6261, 0.3171, 0.3131 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(134, 122, 131)` looks like.

```
.text, #text, p{  
    color:rgb(134, 122, 131)  
}
```

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(134, 122, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 122, 131) }
```

Border

The CSS property to change the border of an element to Yxy 20.6261, 0.3171, 0.3131 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(134, 122, 131) }
```

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

```
.border{ border-color:rgb(134, 122, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 122, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 122, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 122, 131);  
box-shadow:4px 4px 4px 4px rgb(134, 122,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6261, 0.3171, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 122, 131) }
```

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

```
.background{ background-color: rgb(134,  
122, 131) }
```

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