

Converting Colors

$Y_{xy}(21.0462, 0.3595, 0.3177)$

Have a look what the booklet for
Yxy(21.0462, 0.3595, 0.3177)
contains.

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Color

Yxy(20.9606, 0.3591, 0.3162)

Conversions

Conversions Part 1

Format	Color
Hex	9E737B
RGB	158, 115, 123
RGB Percent	62%, 45%, 48%
CMY	0.3804, 0.5490, 0.5177
CMYK	0.00, 0.27, 0.22, 0.38
HSL	349°, 18%, 54%
HSV	349°, 27%, 62%
XYZ	23.8044, 20.9606, 21.5241
YIQ	128.7690, 23.0600, 11.6040

Conversions

Conversions Part 2

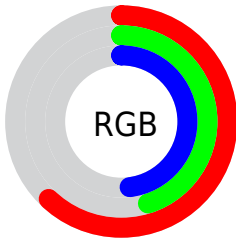
Format	Color
R_{YB}	158, 115, 123
Decimal	10384251
CIE Lab	52.91, 18.16, 2.30
CIE LCh	53, 18.303, 7.210
Yxy	20.9606, 0.3591, 0.3162
Android (android.graphics.Color)	4288574331 (0xFF9E737B)
YUV	128.7690, -2.8441, 25.6356
Hunter-Lab	45.7827, 12.6899, 4.1736

Details

The Yxy color $20.9606, 0.3591, 0.3162$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $30.2994, 0.2802, 0.3423$, and the grayscale version is $21.8722, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.8787, 0.3487, 0.3194$, and $7.4550, 0.3800, 0.3104$ is the 20% darker color. If you saturate the color by 10%, you get $17.3602, 0.3838, 0.3113$, and if you desaturate by 10%, it is $25.2229, 0.3389, 0.3211$.

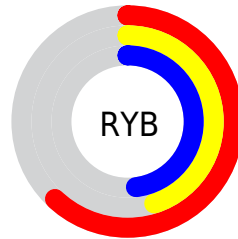
Distribution



Red (62%)

Green (45%)

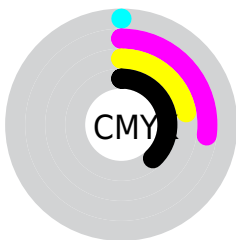
Blue (48%)



Red (62%)

Yellow (45%)

Blue (48%)

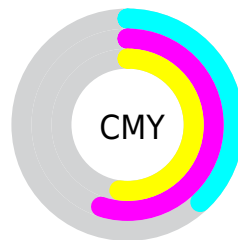


Cyan (0%)

Magenta (27%)

Yellow (22%)

Black (38%)



Cyan (38%)


Magenta (55%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9606, 0.3591, 0.3162 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 20.9606, 0.3591, 0.3162 by changing the saturation by 10% instead.

 20.9606, 0.3591,
0.3162


 20.9606, 0.3591,
0.3162


257.0690, 0.3327,
0.3237

 13.0952, 0.3670,
0.3139


 45.0220, 0.3486,
0.3192

 7.4941, 0.3782,
0.3105


 61.9867, 0.3450,
0.3202

 3.7730, 0.3951,
0.3054

 82.7534, 0.3420,
0.3211

 1.5474, 0.4236,
0.2963

 107.7063, 0.3395,
0.3218

 0.3218, 0.5943,
0.2552

137.2300, 0.3374,
0.3224

 0.0000, 0.0000,
0.0000

171.7087, 0.3356,

0.3229

211.5269, 0.3341,
0.3233

■ 20.9606, 0.3591,
0.3162

■ 20.9606, 0.3591,
0.3162

■ 17.3602, 0.3838,
0.3113

■ 25.2229, 0.3389,
0.3211

■ 14.3856, 0.4135,
0.3067

■ 30.1750, 0.3226,
0.3258

■ 12.0018, 0.4484,
0.3030

■ 35.8467, 0.3093,
0.3302

■ 10.1691, 0.4876,
0.3010

■ 42.2652, 0.2985,
0.3342

■ 8.8429, 0.5288,
0.3015

■ 49.4563, 0.2897,
0.3379

■ 7.9717, 0.5680,
0.3051

■ 57.4445, 0.2824,
0.3413

■ 7.4735, 0.6006,
0.3113

■ 66.2533, 0.2765,
0.3443

■ 7.3586, 0.6088,
0.3127

■ 75.9053, 0.2715,
0.3470

■ 85.0085, 0.2671,
0.3471

Harmonies

Analogous

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



20.9606, 0.3283, 0.2926



20.9606, 0.3591, 0.3162



20.9606, 0.3772, 0.3437

Triad

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



20.9606, 0.3591, 0.3162



20.9606, 0.3283, 0.3871



20.9606, 0.2522, 0.2852

Complementary

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



20.9606, 0.3591, 0.3162



30.2994, 0.2802, 0.3423

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.



20.9606, 0.2523, 0.3087



20.9606, 0.3591, 0.3162



20.9606, 0.2951, 0.3700

Square

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



20.9606, 0.3591, 0.3162



20.9606, 0.3584, 0.3860



20.9606, 0.2676, 0.3402



20.9606, 0.2672, 0.2747

Rectangle

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



20.9606, 0.3591, 0.3162



20.9606, 0.3790, 0.3614



20.9606, 0.2676, 0.3402



20.9606, 0.2505, 0.2918

Sweetspot

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



20.9616, 0.3591, 0.3162



53.8932, 0.3240, 0.3254



21.1588, 0.3056, 0.2611



11.8436, 0.3262, 0.3247



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



20.9616, 0.3591, 0.3162



33.7247, 0.3744, 0.3130



23.9198, 0.3643, 0.3500



6.6653, 0.3256, 0.3249



5.8986, 0.6069, 0.3117



0.1103, 0.5189, 0.2632

Inverse Universe

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



20.9616, 0.3591, 0.3162



33.7247, 0.3744, 0.3130



26.3945, 0.2719, 0.3070



6.6653, 0.3256, 0.3249



5.8986, 0.6069, 0.3117



0.1103, 0.5189, 0.2632

Previews

White Background



This preview shows how the Yxy color 20.9606, 0.3591, 0.3162 looks on a white background.

Color Contrast Check

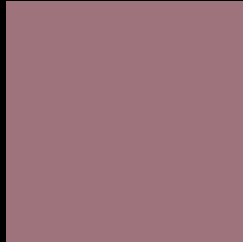
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9606, 0.3591, 0.3162 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

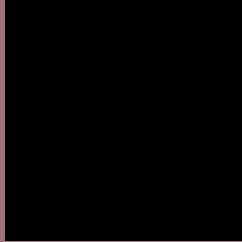
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9606, 0.3591, 0.3162

Background



This preview shows how black text looks on a background with the Yxy color 20.9606, 0.3591, 0.3162.



This preview shows how white text looks on a background with the Yxy color 20.9606, 0.3591, 0.3162.

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

20.9606, 0.3591, 0.3162

Protanopia

21.0959, 0.3118, 0.3236

Deuteranopia

20.9869, 0.3364, 0.3291



Tritanopia

20.9858, 0.3578, 0.3146

Trichromacy



Original Color

20.9606, 0.3591, 0.3162

Protanomaly

20.9403, 0.3280, 0.3203

Deuteranomaly

20.8018, 0.3449, 0.3240

Tritanomaly

20.9858, 0.3578, 0.3146

Monochromacy



Original Color

20.9606, 0.3591, 0.3162

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5231, 0.3288, 0.3239

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9606, 0.3591, 0.3162 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(158, 115, 123)` looks like.

```
.text, #text, p{  
    color:rgb(158, 115, 123)  
}
```

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(158, 115, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 115, 123) }
```

Border

The CSS property to change the border of an element to Yxy 20.9606, 0.3591, 0.3162 is called "border". The border property can be set on classes, ids or directly on the HTML element.

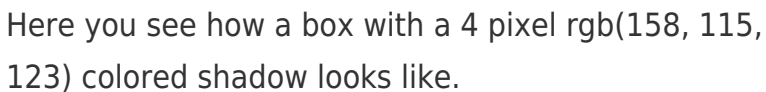
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 115, 123) }
```

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

```
.border{ border-color:rgb(158, 115, 123) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 115, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 115, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 115, 123); box-shadow:4px 4px 4px 4px rgb(158, 115, 123) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9606, 0.3591, 0.3162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 115, 123) }
```

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

```
.background{ background-color: rgb(158,  
115, 123) }
```

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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