

Converting Colors

$Y_{xy}(20.8396, 0.3735, 0.3138)$

Have a look what the booklet for
Yxy(20.8396, 0.3735, 0.3138)
contains.

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Color

Yxy(20.8563, 0.3737, 0.3135)

Conversions

Conversions Part 1

Format	Color
Hex	A66F79
RGB	166, 111, 121
RGB Percent	65%, 44%, 47%
CMY	0.3490, 0.5647, 0.5254
CMYK	0.00, 0.33, 0.27, 0.35
HSL	349°, 24%, 54%
HSV	349°, 33%, 65%
XYZ	24.8612, 20.8563, 20.8097
YIQ	128.5850, 29.5700, 14.7700

Conversions

Conversions Part 2

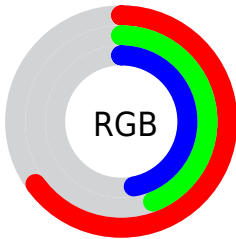
Format	Color
R_{YB}	166, 111, 121
Decimal	10907513
CIE _{Lab}	52.79, 23.25, 3.40
CIE _{LCh}	53, 23.497, 8.328
Yxy	20.8563, 0.3737, 0.3135
Android (android.graphics.Color)	4289097593 (0xFFA66F79)
YUV	128.5850, -3.7394, 32.8130
Hunter-Lab	45.6687, 17.2521, 4.9516

Details

The Yxy color **20.8563, 0.3737, 0.3135** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **33.0496, 0.2737, 0.3454**, and the grayscale version is **21.8067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7411, 0.3600, 0.3173**, and **7.4370, 0.3990, 0.3048** is the 20% darker color. If you saturate the color by 10%, you get **17.2550, 0.4016, 0.3088**, and if you desaturate by 10%, it is **25.1796, 0.3507, 0.3184**.

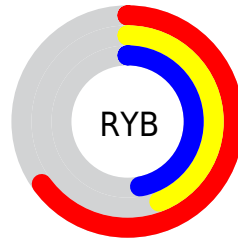
Distribution



Red (65%)

Green (44%)

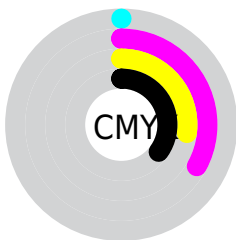
Blue (47%)



Red (65%)

Yellow (44%)

Blue (47%)

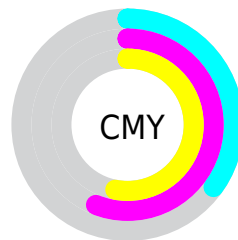


Cyan (0%)

Magenta (33%)

Yellow (27%)

Black (35%)



Cyan (35%)


Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8563, 0.3737, 0.3135 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 20.8563, 0.3737, 0.3135 by changing the saturation by 10% instead.


 20.8563, 0.3737,
0.3135


 20.8563, 0.3737,
0.3135


256.5138, 0.3390,
0.3226


 13.0190, 0.3841,
0.3106


 44.8483, 0.3599,
0.3172

 7.4416, 0.3989,
0.3064


 61.7717, 0.3551,
0.3185

 3.7398, 0.4211,
0.2998

 82.4927, 0.3512,
0.3195

 1.5291, 0.4584,
0.2881

 107.3955, 0.3479,
0.3204

 0.3091, 0.6788,
0.2435

136.8647, 0.3451,
0.3211

 0.0000, 0.0000,
0.0000

171.2845, 0.3428,

0.3217

211.0394, 0.3408,
0.3222

■ 20.8563, 0.3737,
0.3135

■ 20.8563, 0.3737,
0.3135

■ 17.2550, 0.4016,
0.3088

■ 25.1796, 0.3507,
0.3184

■ 14.3334, 0.4348,
0.3048

■ 30.2583, 0.3320,
0.3231

■ 12.0494, 0.4729,
0.3021


■ 36.1272, 0.3168,
0.3277

■ 10.3551, 0.5140,
0.3015

■ 42.8180, 0.3045,
0.3318


■ 9.1955, 0.5548,
0.3039

■ 50.3608, 0.2945,
0.3357


 8.5053, 0.5903,
0.3095

 58.7842, 0.2864,
0.3392

 8.2012, 0.6104,
0.3136

 68.1153, 0.2797,
0.3423

 78.3803, 0.2741,
0.3452

 86.1101, 0.2688,
0.3420

Harmonies

Analogous

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



20.8563, 0.3340, 0.2839



20.8563, 0.3737, 0.3135



20.8563, 0.3963, 0.3480

Triad

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



20.8563, 0.3737, 0.3135



20.8563, 0.3304, 0.4043



20.8563, 0.2364, 0.2720

Complementary

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



20.8563, 0.3737, 0.3135



33.0496, 0.2737, 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.



20.8563, 0.2358, 0.3007



20.8563, 0.3737, 0.3135



20.8563, 0.2881, 0.3813

Square

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



20.8563, 0.3737, 0.3135



20.8563, 0.3696, 0.4026



20.8563, 0.2540, 0.3414



20.8563, 0.2557, 0.2600

Rectangle

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



20.8563, 0.3737, 0.3135



20.8563, 0.3978, 0.3704



20.8563, 0.2540, 0.3414



20.8563, 0.2341, 0.2798

Sweetspot

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



20.8573, 0.3737, 0.3135



57.9018, 0.3272, 0.3245



21.1822, 0.3046, 0.2457



12.6471, 0.3294, 0.3239



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



20.8573, 0.3737, 0.3135



32.7622, 0.3945, 0.3099



24.8018, 0.3788, 0.3563



7.5638, 0.3258, 0.3249



6.3654, 0.6085, 0.3126



0.1611, 0.5291, 0.2689

Inverse Universe

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



20.8573, 0.3737, 0.3135



32.7622, 0.3945, 0.3099



27.4952, 0.2630, 0.2998



7.5638, 0.3258, 0.3249



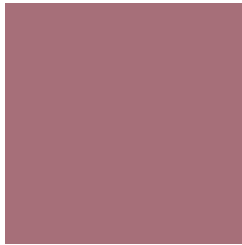
6.3654, 0.6085, 0.3126



0.1611, 0.5291, 0.2689

Previews

White Background



This preview shows how the Yxy color 20.8563, 0.3737, 0.3135 looks on a white background.

Color Contrast Check

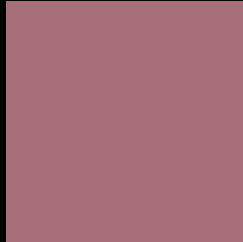
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8563, 0.3737, 0.3135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

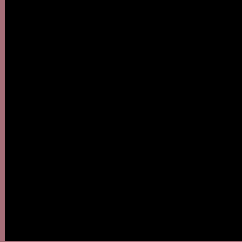
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.8563, 0.3737, 0.3135

Background



This preview shows how black text looks on a background with the Yxy color 20.8563, 0.3737, 0.3135.



This preview shows how white text looks on a background with the Yxy color 20.8563, 0.3737, 0.3135.

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

20.8563, 0.3737, 0.3135

Protanopia

21.0959, 0.3118, 0.3236

Deuteranopia

20.9137, 0.3401, 0.3343



Tritanopia

20.8319, 0.3751, 0.3151

Trichromacy



Original Color

20.8563, 0.3737, 0.3135

Protanomaly

20.9319, 0.3331, 0.3204

Deuteranomaly

20.7970, 0.3516, 0.3257

Tritanomaly

20.8319, 0.3751, 0.3151

Monochromacy



Original Color

20.8563, 0.3737, 0.3135

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.1762, 0.3329, 0.3222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8563, 0.3737, 0.3135 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(166, 111, 121)` looks like.

```
.text, #text, p{  
    color:rgb(166, 111, 121)  
}
```

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(166, 111, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 111, 121) }
```

Border

The CSS property to change the border of an element to Yxy 20.8563, 0.3737, 0.3135 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(166, 111, 121) }
```

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

```
.border{ border-color:rgb(166, 111, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 111, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 111, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 111, 121);  
box-shadow:4px 4px 4px 4px rgb(166, 111,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8563, 0.3737, 0.3135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 111, 121) }
```

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

```
.background{ background-color: rgb(166,  
111, 121) }
```

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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