

Converting Colors

$Y_{xy}(20.8206, 0.3580, 0.4035)$

Have a look what the booklet for
Yxy(20.8206, 0.3580, 0.4035)
contains.

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Color

Yxy(20.7321, 0.3578, 0.4035)

Conversions

Conversions Part 1

Format	Color
Hex	808058
RGB	128, 128, 88
RGB Percent	50%, 50%, 35%
CMY	0.4980, 0.4980, 0.6549
CMYK	0.00, 0.00, 0.31, 0.50
HSL	60°, 19%, 42%
HSV	60°, 31%, 50%
XYZ	18.3840, 20.7321, 12.2646
YIQ	123.4400, 12.8400, -12.4400

Conversions

Conversions Part 2

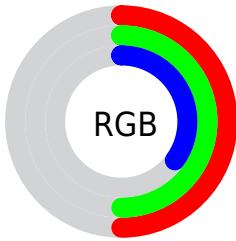
Format	Color
R_{YB}	88, 128, 88
Decimal	8421464
CIE _{Lab}	52.66, -6.77, 21.78
CIE _{LCh}	53, 22.809, 107.260
Yxy	20.7321, 0.3578, 0.4035
Android (android.graphics.Color)	4286611544 (0xFF808058)
YUV	123.4400, -17.4719, 3.9991
Hunter-Lab	45.5325, -7.6115, 15.9025

Details

The Yxy color $20.7321, 0.3578, 0.4035$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.6147, 0.2600, 0.2418$, and the grayscale version is $20.0170, 0.3127, 0.3290$.

A 20% lighter version of the original color is $44.7065, 0.3480, 0.3873$, and $7.3788, 0.3736, 0.4337$ is the 20% darker color. If you saturate the color by 10%, you get $20.5381, 0.3717, 0.4265$, and if you desaturate by 10%, it is $20.9652, 0.3433, 0.3796$.

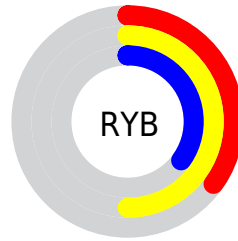
Distribution



Red (50%)

Green (50%)

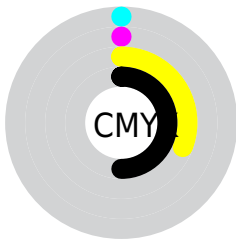
Blue (35%)



Red (35%)

Yellow (50%)

Blue (35%)

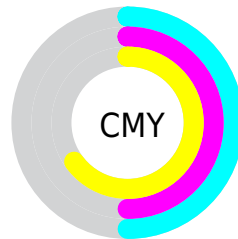


Cyan (0%)

Magenta (0%)

Yellow (31%)

Black (50%)



Cyan (50%)

Magenta (50%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.7321, 0.3578, 0.4035 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 20.7321, 0.3578, 0.4035 by changing the saturation by 10% instead.

■ 20.7321, 0.3578,
0.4035

■ 20.7321, 0.3578,
0.4035

■ 255.8513, 0.3329,
0.3608

■ 12.9283, 0.3648,
0.4163

■ 44.6412, 0.3482,
0.3865

■ 7.3792, 0.3740,
0.4342

■ 61.5154, 0.3447,
0.3806

■ 3.7004, 0.3865,
0.4605

■ 82.1818, 0.3419,
0.3758

■ 1.5074, 0.4448,
0.5542

■ 107.0248, 0.3395,
0.3717

■ 0.2939, 0.2797,
0.7203

■ 136.4289, 0.3375,
0.3684

■ 0.0000, 0.0000,
0.0000

170.7784, 0.3357,

0.3655

210.4578, 0.3342,
0.3630

■ 20.7321, 0.3578,
0.4035

■ 20.7321, 0.3578,
0.4035

■ 20.5381, 0.3717,
0.4265

■ 20.9652, 0.3433,
0.3796

■ 20.3785, 0.3846,
0.4478

■ 21.2365, 0.3287,
0.3555

■ 20.2521, 0.3959,
0.4665

■ 21.5485, 0.3145,
0.3319

■ 20.1564, 0.4052,
0.4818

■ 21.9028, 0.3008,
0.3093

■ 20.0890, 0.4121,
0.4932

■ 22.3010, 0.2879,
0.2880

■ 20.0466, 0.4166,
0.5007

■ 22.7445, 0.2759,
0.2682

■ 20.0211, 0.4194,
0.5052

■ 23.2346, 0.2649,
0.2499

■ 23.7727, 0.2548,
0.2333

■ 24.3600, 0.2456,
0.2181

Harmonies

Analogous

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



20.7321, 0.3871, 0.3872



20.7321, 0.3578, 0.4035



20.7321, 0.3175, 0.3979

Triad

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



20.7321, 0.3578, 0.4035



20.7321, 0.2360, 0.2917



20.7321, 0.3459, 0.2928

Complementary

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



20.7321, 0.3578, 0.4035



10.6147, 0.2600, 0.2418

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.



20.7321, 0.3034, 0.2706



20.7321, 0.3578, 0.4035



20.7321, 0.2422, 0.2682

Square

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



20.7321, 0.3578, 0.4035



20.7321, 0.2484, 0.3287



20.7321, 0.2660, 0.2615



20.7321, 0.3808, 0.3238

Rectangle

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



20.7321, 0.3578, 0.4035



20.7321, 0.2902, 0.3809



20.7321, 0.2660, 0.2615



20.7321, 0.3319, 0.2842

Sweetspot

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



20.7330, 0.3578, 0.4035



37.4888, 0.3258, 0.3506



12.2850, 0.3785, 0.3279



8.7618, 0.3276, 0.3536



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



20.7330, 0.3578, 0.4035



36.2288, 0.3685, 0.4212



19.3767, 0.3332, 0.4099



5.0192, 0.3256, 0.3503



19.8481, 0.4194, 0.5052



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6147, 0.2600, 0.2418



15.2715, 0.2447, 0.2166



11.6848, 0.2861, 0.2478



4.2119, 0.2993, 0.3068



1.5463, 0.1500, 0.0600



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 20.7321, 0.3578, 0.4035 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 20.7321, 0.3578, 0.4035 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

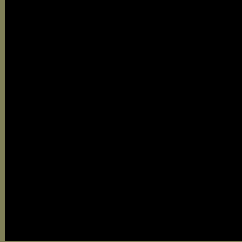
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.7321, 0.3578, 0.4035

Background



This preview shows how black text looks on a background with the Yxy color 20.7321, 0.3578, 0.4035.



This preview shows how white text looks on a background with the Yxy color 20.7321, 0.3578, 0.4035.

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

20.7321, 0.3578, 0.4035

Protanopia

20.8441, 0.3704, 0.3993

Deuteranopia

20.5607, 0.3877, 0.3804



Tritanopia

20.5716, 0.3148, 0.3113

Trichromacy



Original Color

20.7321, 0.3578, 0.4035

Protanomaly

20.8534, 0.3659, 0.4020

Deuteranomaly

20.5499, 0.3764, 0.3893

Tritanomaly

20.5016, 0.3305, 0.3436

Monochromacy



Original Color

20.7321, 0.3578, 0.4035

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

20.1530, 0.3298, 0.3572

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.7321, 0.3578, 0.4035 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(128, 128, 88)` looks like.

```
.text, #text, p{  
    color:rgb(128, 128, 88)  
}
```

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(128, 128, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 128, 88) }
```

Border

The CSS property to change the border of an element to Yxy 20.7321, 0.3578, 0.4035 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(128, 128, 88) }
```

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

```
.border{ border-color:rgb(128, 128, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 128, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 128, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 128, 88);  
box-shadow:4px 4px 4px 4px rgb(128, 128,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 20.7321, 0.3578, 0.4035 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 128, 88) }
```

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

```
.background{ background-color: rgb(128,  
128, 88) }
```

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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