

Converting Colors

$Y_{xy}(21.1781, 0.3584, 0.4045)$

Have a look what the booklet for
Yxy(21.1781, 0.3584, 0.4045)
contains.

Yxy(21.0722, 0.3586, 0.4048)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.0722, 0.3586, 0.4048)

Conversions

Conversions Part 1

Format	Color
Hex	818158
RGB	129, 129, 88
RGB Percent	51%, 51%, 35%
CMY	0.4940, 0.4941, 0.6549
CMYK	0.00, 0.00, 0.32, 0.49
HSL	60°, 19%, 43%
HSV	60°, 32%, 51%
XYZ	18.6672, 21.0722, 12.3164
YIQ	124.3260, 13.1610, -12.7510

Conversions

Conversions Part 2

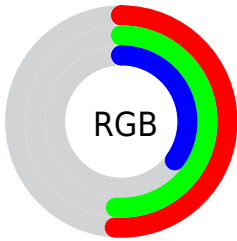
Format	Color
R_{YB}	88, 129, 88
Decimal	8487256
CIE _{Lab}	53.03, -6.90, 22.29
CIE _{LCh}	53, 23.333, 107.200
Yxy	21.0722, 0.3586, 0.4048
Android (android.graphics.Color)	4286677336 (0xFF818158)
YUV	124.3260, -17.9087, 4.0991
Hunter-Lab	45.9045, -7.7451, 16.2253

Details

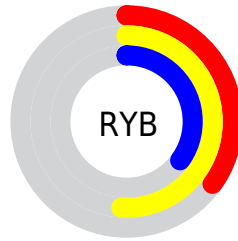
The Yxy color **21.0722, 0.3586, 0.4048** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.6440, 0.2589, 0.2400**, and the grayscale version is **20.3295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2360, 0.3486, 0.3884**, and **7.5668, 0.3745, 0.4352** is the 20% darker color. If you saturate the color by 10%, you get **20.8761, 0.3725, 0.4278**, and if you desaturate by 10%, it is **21.3081, 0.3441, 0.3809**.

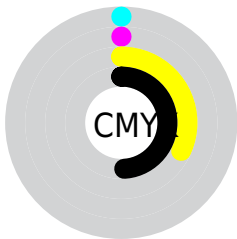
Distribution



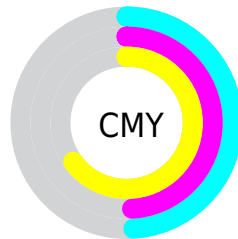
- Red (51%)
- Green (51%)
- Blue (35%)



- Red (35%)
- Yellow (51%)
- Blue (35%)



- Cyan (0%)
- Magenta (0%)
- Yellow (32%)
- Black (49%)





- Cyan (49%)
- Magenta (49%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0722, 0.3586, 0.4048 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 21.0722, 0.3586, 0.4048 by changing the saturation by 10% instead.


 21.0722, 0.3586,
0.4048


 21.0722, 0.3586,
0.4048


257.6619, 0.3333,
0.3615


 13.1768, 0.3656,
0.4177

 45.2077, 0.3489,
0.3876

 7.5504, 0.3749,
0.4357


 62.2165, 0.3454,
0.3816

 3.8086, 0.3874,
0.4621

 83.0319, 0.3425,
0.3767

 1.5671, 0.4431,
0.5526

 108.0384, 0.3401,
0.3726

 0.3353, 0.3094,
0.6906

 137.6202, 0.3380,
0.3692

 0.0000, 0.0000,
0.0000

172.1618, 0.3362,

0.3662

212.0476, 0.3347,
0.3637

■ 21.0722, 0.3586,
0.4048

■ 21.0722, 0.3586,
0.4048

■ 20.8761, 0.3725,
0.4278

■ 21.3081, 0.3441,
0.3809

■ 20.7148, 0.3853,
0.4489

■ 21.5827, 0.3295,
0.3568

■ 20.5873, 0.3965,
0.4674

■ 21.8988, 0.3152,
0.3331


■ 20.4910, 0.4057,
0.4825


■ 22.2578, 0.3015,
0.3105

■ 20.4232, 0.4125,
0.4937

■ 22.6615, 0.2886,
0.2891


 20.3807, 0.4168,
0.5010

 23.1113, 0.2765,
0.2692

 20.3560, 0.4194,
0.5052

 23.6085, 0.2654,
0.2508

 24.1544, 0.2553,
0.2341

 24.7505, 0.2461,
0.2189

Harmonies

Analogous

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



21.0722, 0.3884, 0.3880



21.0722, 0.3586, 0.4048



21.0722, 0.3177, 0.3992

Triad

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



21.0722, 0.3586, 0.4048



21.0722, 0.2347, 0.2910



21.0722, 0.3464, 0.2922

Complementary

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



21.0722, 0.3586, 0.4048



10.6440, 0.2589, 0.2400

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.



21.0722, 0.3031, 0.2696



21.0722, 0.3586, 0.4048



21.0722, 0.2410, 0.2672

Square

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



21.0722, 0.3586, 0.4048



21.0722, 0.2474, 0.3287



21.0722, 0.2651, 0.2604



21.0722, 0.3819, 0.3236

Rectangle

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



21.0722, 0.3586, 0.4048



21.0722, 0.2899, 0.3820



21.0722, 0.2651, 0.2604



21.0722, 0.3321, 0.2834

Sweetspot

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



21.0731, 0.3586, 0.4048



38.7203, 0.3273, 0.3530



12.3647, 0.3801, 0.3279



8.7500, 0.3290, 0.3558



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.



21.0731, 0.3586, 0.4048



37.4677, 0.3686, 0.4213



19.6739, 0.3335, 0.4115



5.0191, 0.3256, 0.3503



19.8409, 0.4194, 0.5052



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6440, 0.2589, 0.2400



15.7796, 0.2446, 0.2164



11.7428, 0.2856, 0.2463



4.2121, 0.2993, 0.3068



1.5469, 0.1500, 0.0601



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 21.0722, 0.3586, 0.4048 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 21.0722, 0.3586, 0.4048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

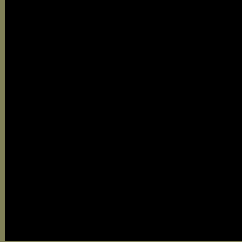
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

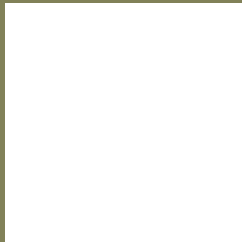
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.0722, 0.3586, 0.4048

Background



This preview shows how black text looks on a background with the Yxy color 21.0722, 0.3586, 0.4048.



This preview shows how white text looks on a background with the Yxy color 21.0722, 0.3586, 0.4048.

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

21.0722, 0.3586, 0.4048

Protanopia

20.9282, 0.3717, 0.3990

Deuteranopia

20.8970, 0.3884, 0.3817



Tritanopia

20.9277, 0.3147, 0.3115

Trichromacy



Original Color

21.0722, 0.3586, 0.4048

Protanomaly

20.9352, 0.3672, 0.4016

Deuteranomaly

20.8874, 0.3771, 0.3906

Tritanomaly

20.8571, 0.3304, 0.3435

Monochromacy



Original Color

21.0722, 0.3586, 0.4048

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

20.5050, 0.3296, 0.3570

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0722, 0.3586, 0.4048 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(129, 129, 88)` looks like.

```
.text, #text, p{  
    color:rgb(129, 129, 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(129, 129, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 129, 88) }
```

Border

The CSS property to change the border of an element to Yxy 21.0722, 0.3586, 0.4048 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(129, 129, 88) }
```

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

```
.border{ border-color:rgb(129, 129, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 129, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 129, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 129, 88);  
box-shadow:4px 4px 4px 4px rgb(129, 129,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0722, 0.3586, 0.4048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 129, 88) }
```

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

```
.background{ background-color: rgb(129,  
129, 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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