

Converting Colors

$Y_{xy}(21.7708, 0.3615, 0.4227)$

Have a look what the booklet for
Yxy(21.7708, 0.3615, 0.4227)
contains.

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Color

Yxy(21.6238, 0.3609, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	7F8452
RGB	127, 132, 82
RGB Percent	50%, 52%, 32%
CMY	0.5021, 0.4823, 0.6785
CMYK	0.04, 0.00, 0.38, 0.48
HSL	66°, 23%, 42%
HSV	66°, 38%, 52%
XYZ	18.5237, 21.6238, 11.1789
YIQ	124.8050, 13.0700, -16.6100

Conversions

Conversions Part 2

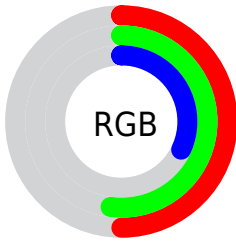
Format	Color
R_{YB}	82, 132, 87
Decimal	8356946
CIE _{Lab}	53.63, -10.22, 26.39
CIE _{LCh}	54, 28.303, 111.168
Yxy	21.6238, 0.3609, 0.4213
Android (android.graphics.Color)	4286547026 (0xFF7F8452)
YUV	124.8050, -21.1029, 1.9250
Hunter-Lab	46.5014, -10.2725, 18.2977

Details

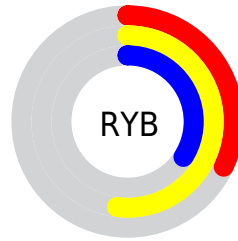
The Yxy color $21.6238, 0.3609, 0.4213$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $9.7279, 0.2528, 0.2212$, and the grayscale version is $20.5073, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.0672, 0.3508, 0.4006$, and $7.8917, 0.3760, 0.4584$ is the 20% darker color. If you saturate the color by 10%, you get $21.3414, 0.3724, 0.4447$, and if you desaturate by 10%, it is $21.9482, 0.3484, 0.3968$.

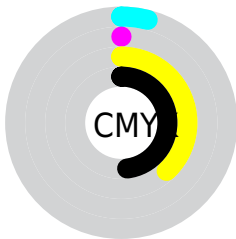
Distribution



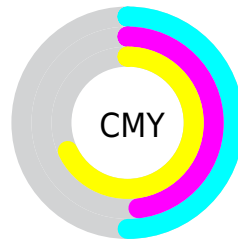
- Red (50%)
- Green (52%)
- Blue (32%)



- Red (32%)
- Yellow (52%)
- Blue (34%)



- Cyan (4%)
- Magenta (0%)
- Yellow (38%)
- Black (48%)



- Cyan (50%)
- Magenta (48%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.6238, 0.3609, 0.4213 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 21.6238, 0.3609, 0.4213 by changing the saturation by 10% instead.

■ 21.6238, 0.3609,
0.4213

■ 21.6238, 0.3609,
0.4213

■ 260.5753, 0.3349,
0.3685

■ 13.5807, 0.3677,
0.4369

■ 46.1234, 0.3511,
0.4004

■ 7.8296, 0.3763,
0.4586

■ 63.3488, 0.3475,
0.3930

■ 3.9861, 0.3869,
0.4898

■ 84.4037, 0.3445,
0.3871

■ 1.6658, 0.4253,
0.5747

■ 109.6725, 0.3420,
0.3821

■ 0.4014, 0.2475,
0.7525

■ 139.5397, 0.3398,
0.3779

■ 0.0000, 0.0000,
0.0000

174.3897, 0.3380,

0.3743

214.6067, 0.3363,
0.3712

■ 21.6238, 0.3609,
0.4213

■ 21.6238, 0.3609,
0.4213

■ 21.3414, 0.3724,
0.4447

■ 21.9482, 0.3484,
0.3968

■ 21.0958, 0.3826,
0.4661

■ 22.3136, 0.3356,
0.3720

■ 20.8855, 0.3908,
0.4846


■ 22.7231, 0.3227,
0.3476

■ 20.7078, 0.3968,
0.4994


■ 23.1783, 0.3101,
0.3242

■ 20.5595, 0.4004,
0.5101


■ 23.6810, 0.2981,
0.3020


 20.4335, 0.4020,
0.5173

 24.2327, 0.2867,
0.2814

 20.4076, 0.4022,
0.5188

 24.8350, 0.2761,
0.2624

 25.4893, 0.2664,
0.2451

 26.1971, 0.2574,
0.2293

Harmonies

Analogous

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



21.6238, 0.3995, 0.4026



21.6238, 0.3609, 0.4213



21.6238, 0.3111, 0.4116

Triad

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



21.6238, 0.3609, 0.4213



21.6238, 0.2201, 0.2780



21.6238, 0.3596, 0.2896

Complementary

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



21.6238, 0.3609, 0.4213



9.7279, 0.2528, 0.2212

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.



21.6238, 0.3076, 0.2616



21.6238, 0.3609, 0.4213



21.6238, 0.2303, 0.2531

Square

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



21.6238, 0.3609, 0.4213



21.6238, 0.2317, 0.3213



21.6238, 0.2609, 0.2483



21.6238, 0.4003, 0.3270

Rectangle

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



21.6238, 0.3609, 0.4213



21.6238, 0.2787, 0.3881



21.6238, 0.2609, 0.2483



21.6238, 0.3426, 0.2789

Sweetspot

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



21.6248, 0.3609, 0.4213



39.7684, 0.3270, 0.3557



12.3314, 0.3971, 0.3390



9.2397, 0.3284, 0.3584



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.



21.6248, 0.3609, 0.4213



37.6747, 0.3704, 0.4404



19.9396, 0.3300, 0.4314



5.3999, 0.3243, 0.3506



19.7573, 0.4023, 0.5188



0.0702, 0.4112, 0.5117

Inverse Universe

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



9.7279, 0.2528, 0.2212



13.7420, 0.2372, 0.1942



11.1452, 0.2873, 0.2309



4.5654, 0.3006, 0.3067



1.6993, 0.1547, 0.0626



0.0072, 0.1751, 0.0738

Previews

White Background



This preview shows how the Yxy color 21.6238, 0.3609, 0.4213 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 21.6238, 0.3609, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

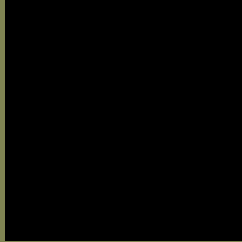
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.6238, 0.3609, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 21.6238, 0.3609, 0.4213.



This preview shows how white text looks on a background with the Yxy color 21.6238, 0.3609, 0.4213.

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

21.6238, 0.3609, 0.4213

Protanopia

21.5930, 0.3822, 0.4130

Deuteranopia

21.4292, 0.4002, 0.3919



Tritanopia

21.6575, 0.3111, 0.3133

Trichromacy



Original Color

21.6238, 0.3609, 0.4213

Protanomaly

21.4455, 0.3740, 0.4150

Deuteranomaly

21.4755, 0.3854, 0.4033

Tritanomaly

21.5246, 0.3297, 0.3507

Monochromacy



Original Color

21.6238, 0.3609, 0.4213

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.9781, 0.3315, 0.3644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6238, 0.3609, 0.4213 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(127, 132, 82)` looks like.

```
.text, #text, p{  
    color:rgb(127, 132, 82)  
}
```

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(127, 132, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 132, 82) }
```

Border

The CSS property to change the border of an element to Yxy 21.6238, 0.3609, 0.4213 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(127, 132, 82) }
```

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

```
.border{ border-color:rgb(127, 132, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 132, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 132, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 132, 82);  
box-shadow:4px 4px 4px 4px rgb(127, 132,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6238, 0.3609, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 132, 82) }
```

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

```
.background{ background-color: rgb(127,  
132, 82) }
```

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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