

Converting Colors

$Y_{xy}(12.6137, 0.3841, 0.2219)$

Have a look what the booklet for
Yxy(12.6137, 0.3841, 0.2219)
contains.

Yxy(12.6137, 0.3841, 0.2219)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.6137, 0.3841, 0.2219)

Conversions

Conversions Part 1

Format	Color
Hex	AA3482
RGB	170, 52, 130
RGB Percent	67%, 20%, 51%
CMY	0.3333, 0.7960, 0.4903
CMYK	0.00, 0.69, 0.24, 0.33
HSL	320°, 53%, 44%
HSV	320°, 69%, 67%
XYZ	21.8338, 12.6137, 22.3966
YIQ	96.1740, 45.2900, 49.2740

Conversions

Conversions Part 2

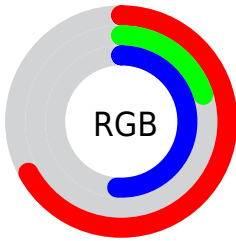
Format	Color
R_{YB}	170, 52, 130
Decimal	11154562
CIE _{Lab}	42.18, 55.46, -17.76
CIE _{LCh}	42, 58.238, 342.247
Yxy	12.6137, 0.3841, 0.2219
Android (android.graphics.Color)	4289344642 (0xFFAA3482)
YUV	96.1740, 16.6762, 64.7454
Hunter-Lab	35.5158, 47.5827, -12.5278

Details

The Yxy color **12.6137, 0.3841, 0.2219** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **30.2532, 0.2813, 0.4801**, and the grayscale version is **11.6933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6380, 0.3677, 0.2454**, and **4.1715, 0.4062, 0.2011** is the 20% darker color. If you saturate the color by 10%, you get **11.2096, 0.3987, 0.2146**, and if you desaturate by 10%, it is **14.5742, 0.3701, 0.2332**.

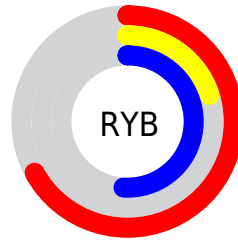
Distribution



Red (67%)

Green (20%)

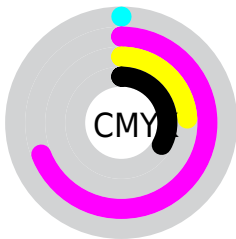
Blue (51%)



Red (67%)

Yellow (20%)

Blue (51%)

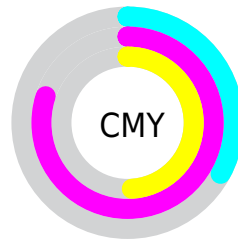


Cyan (0%)

Magenta (69%)

Yellow (24%)

Black (33%)



Cyan (33%)


Magenta (80%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6137, 0.3841, 0.2219 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 12.6137, 0.3841, 0.2219 by changing the saturation by 10% instead.


 12.6137, 0.3841,
0.2219


 12.6137, 0.3841,
0.2219


208.4269, 0.3435,
0.2815

 7.1631, 0.3962,
0.2049


 30.6080, 0.3680,
0.2451


 3.5643, 0.4130,
0.1818


 43.9205, 0.3624,
0.2534


 1.4330, 0.4378,
0.1490

 60.6224, 0.3578,
0.2601

 0.2408, 0.4959,
0.0656

 81.0981, 0.3540,
0.2658

 0.0000, 0.6401,
0.0000

 105.7320, 0.3507,
0.2706

 0.0000, 0.0000,
0.0000

 134.9085, 0.3480,

0.2748

169.0120, 0.3456,
0.2784

■ 12.6137, 0.3841,
0.2219

■ 12.6137, 0.3841,
0.2219

■ 11.2096, 0.3987,
0.2146

■ 14.5742, 0.3701,
0.2332

■ 10.2978, 0.4134,
0.2119

■ 17.1420, 0.3572,
0.2474

■ 9.7532, 0.4279,
0.2135

■ 20.3643, 0.3455,
0.2634

■ 9.7235, 0.4288,
0.2136

■ 24.2833, 0.3353,
0.2803

■ 28.9375, 0.3264,
0.2973

■ 34.3625, 0.3188,
0.3140

■ 40.5917, 0.3124,
0.3299

■ 47.6566, 0.3070,
0.3449

■ 55.5868, 0.3024,
0.3589

Harmonies

Analogous

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



12.6137, 0.2599, 0.1769



12.6137, 0.3841, 0.2219



12.6137, 0.5031, 0.2866

Triad

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



12.6137, 0.3841, 0.2219



12.6137, 0.4288, 0.5249



12.6137, 0.1208, 0.2239

Complementary

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



12.6137, 0.3841, 0.2219



30.2532, 0.2813, 0.4801

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.



12.6137, 0.1473, 0.3354



12.6137, 0.3841, 0.2219



12.6137, 0.3221, 0.5640

Square

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



12.6137, 0.3841, 0.2219



12.6137, 0.5154, 0.4416



12.6137, 0.2184, 0.4864



12.6137, 0.1306, 0.1712

Rectangle

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



12.6137, 0.3841, 0.2219



12.6137, 0.5452, 0.3349



12.6137, 0.2184, 0.4864



12.6137, 0.1252, 0.2538

Sweetspot

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



12.6143, 0.3841, 0.2219



50.7264, 0.3280, 0.2940



7.6009, 0.2166, 0.1283



10.7948, 0.3303, 0.2894



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



12.6143, 0.3841, 0.2219



19.3910, 0.4062, 0.2126



11.4668, 0.5028, 0.3040



7.6227, 0.3187, 0.3142



7.1635, 0.4274, 0.2128



0.1833, 0.3845, 0.1892

Inverse Universe

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



12.6143, 0.3841, 0.2219



19.3910, 0.4062, 0.2126



31.6928, 0.2451, 0.3643



7.6227, 0.3187, 0.3142



7.1635, 0.4274, 0.2128



0.1833, 0.3845, 0.1892

Previews

White Background



This preview shows how the Yxy color 12.6137, 0.3841, 0.2219 looks on a white 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

Black Background



This preview shows how the Yxy color 12.6137, 0.3841, 0.2219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

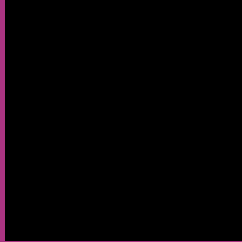
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6137, 0.3841, 0.2219

Background



This preview shows how black text looks on a background with the Yxy color 12.6137, 0.3841, 0.2219.



This preview shows how white text looks on a background with the Yxy color 12.6137, 0.3841, 0.2219.

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

12.6137, 0.3841, 0.2219

Protanopia

12.9050, 0.2162, 0.1994

Deuteranopia

12.8181, 0.2819, 0.2761



Tritanopia

12.6146, 0.4799, 0.3222

Trichromacy



Original Color

12.6137, 0.3841, 0.2219

Protanomaly

11.3729, 0.2574, 0.1968

Deuteranomaly

11.7512, 0.3151, 0.2442

Tritanomaly

12.4689, 0.4462, 0.2827

Monochromacy



Original Color

12.6137, 0.3841, 0.2219

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.0310, 0.3405, 0.2733

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6137, 0.3841, 0.2219 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(170, 52, 130)` looks like.

```
.text, #text, p{  
  color:rgb(170, 52, 130)  
}
```

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(170, 52, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 52, 130) }
```

Border

The CSS property to change the border of an element to Yxy 12.6137, 0.3841, 0.2219 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(170, 52, 130) }
```

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

```
.border{ border-color:rgb(170, 52, 130) }
```

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

Here you see how a box with a 4 pixel rgb(170, 52, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 52, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 52, 130);  
box-shadow:4px 4px 4px 4px rgb(170, 52,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6137, 0.3841, 0.2219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 52, 130) }
```

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

```
.background{ background-color: rgb(170, 52,  
130) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor