

Converting Colors

$Y_{xy}(12.5699, 0.3768, 0.2141)$

Have a look what the booklet for
Yxy(12.5699, 0.3768, 0.2141)
contains.

Yxy(12.5765, 0.3754, 0.2137)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.5765, 0.3754, 0.2137)

Conversions

Conversions Part 1

Format	Color
Hex	AA3287
RGB	170, 50, 135
RGB Percent	67%, 20%, 53%
CMY	0.3333, 0.8039, 0.4706
CMYK	0.00, 0.71, 0.21, 0.33
HSL	318°, 55%, 43%
HSV	318°, 71%, 67%
XYZ	22.0927, 12.5765, 24.1820
YIQ	95.5700, 44.2350, 51.8750

Conversions

Conversions Part 2

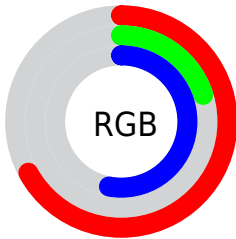
Format	Color
R_{YB}	170, 50, 135
Decimal	11154055
CIE _{Lab}	42.12, 56.92, -20.91
CIE _{LCh}	42, 60.638, 339.824
Yxy	12.5765, 0.3754, 0.2137
Android (android.graphics.Color)	4289344135 (0xFFAA3287)
YUV	95.5700, 19.4390, 65.2751
Hunter-Lab	35.4634, 49.1399, -15.6046

Details

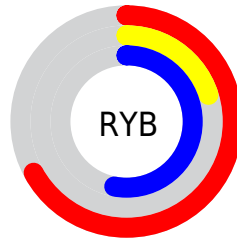
The Yxy color **12.5765, 0.3754, 0.2137** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **30.0880, 0.2845, 0.4940**, and the grayscale version is **11.5317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4329, 0.3621, 0.2384**, and **4.2333, 0.3940, 0.1944** is the 20% darker color. If you saturate the color by 10%, you get **11.2473, 0.3875, 0.2060**, and if you desaturate by 10%, it is **14.4532, 0.3636, 0.2254**.

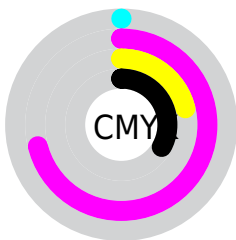
Distribution



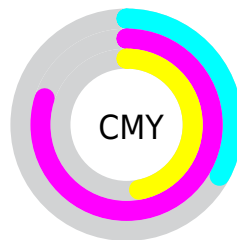
- Red (67%)
- Green (20%)
- Blue (53%)



- Red (67%)
- Yellow (20%)
- Blue (53%)



- Cyan (0%)
- Magenta (71%)
- Yellow (21%)
- Black (33%)




- Cyan (33%)
- Magenta (80%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5765, 0.3754, 0.2137 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 12.5765, 0.3754, 0.2137 by changing the saturation by 10% instead.

 12.5765, 0.3754,
0.2137


 12.5765, 0.3754,
0.2137


208.1854, 0.3405,
0.2773


 7.1376, 0.3854,
0.1959


 30.5408, 0.3618,
0.2382


 3.5483, 0.3990,
0.1720


 43.8350, 0.3569,
0.2470

 1.4242, 0.4184,
0.1387

 60.5164, 0.3530,
0.2543

 0.2345, 0.4636,
0.0581

 80.9694, 0.3496,
0.2604

 0.0000, 0.5224,
0.0000

 105.5784, 0.3468,
0.2655

 0.0000, 0.0000,
0.0000

 134.7278, 0.3444,

0.2700

168.8020, 0.3423,
0.2739

■ 12.5765, 0.3754,
0.2137

■ 12.5765, 0.3754,
0.2137

■ 11.2473, 0.3875,
0.2060

■ 14.4532, 0.3636,
0.2254

■ 10.4002, 0.3996,
0.2030

■ 16.9292, 0.3526,
0.2401

■ 9.9133, 0.4109,
0.2037

■ 20.0523, 0.3425,
0.2569

■ 23.8650, 0.3335,
0.2748

■ 28.4063, 0.3256,
0.2930

■ 33.7120, 0.3188,
0.3108

■ 39.8158, 0.3130,
0.3280

■ 46.7492, 0.3081,
0.3442

■ 54.5421, 0.3040,
0.3594

Harmonies

Analogous

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



12.5765, 0.2488, 0.1699



12.5765, 0.3754, 0.2137



12.5765, 0.5029, 0.2785

Triad

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



12.5765, 0.3754, 0.2137



12.5765, 0.4387, 0.5238



12.5765, 0.1160, 0.2262

Complementary

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



12.5765, 0.3754, 0.2137



30.0880, 0.2845, 0.4940

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.



12.5765, 0.1456, 0.3470



12.5765, 0.3754, 0.2137



12.5765, 0.3295, 0.5746

Square

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



12.5765, 0.3754, 0.2137



12.5765, 0.5264, 0.4354



12.5765, 0.2218, 0.5055



12.5765, 0.1234, 0.1687

Rectangle

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



12.5765, 0.3754, 0.2137



12.5765, 0.5510, 0.3273



12.5765, 0.2218, 0.5055



12.5765, 0.1212, 0.2587

Sweetspot

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



12.5771, 0.3754, 0.2137



50.8345, 0.3262, 0.2915



7.0682, 0.2082, 0.1221



10.8216, 0.3282, 0.2867



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.



12.5771, 0.3754, 0.2137



19.3928, 0.3948, 0.2037



11.3498, 0.4954, 0.2956



7.6287, 0.3180, 0.3131



7.3013, 0.4096, 0.2030



0.1859, 0.3744, 0.1836

Inverse Universe

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



12.5771, 0.3754, 0.2137



19.3928, 0.3948, 0.2037



31.4457, 0.2481, 0.3764



7.6287, 0.3180, 0.3131



7.3013, 0.4096, 0.2030



0.1859, 0.3744, 0.1836

Previews

White Background



This preview shows how the Yxy color 12.5765, 0.3754, 0.2137 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 12.5765, 0.3754, 0.2137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

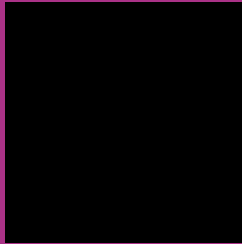
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5765, 0.3754, 0.2137

Background



This preview shows how black text looks on a background with the Yxy color 12.5765, 0.3754, 0.2137.



This preview shows how white text looks on a background with the Yxy color 12.5765, 0.3754, 0.2137.

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

12.5765, 0.3754, 0.2137

Protanopia

12.9458, 0.2078, 0.1891

Deuteranopia

12.7268, 0.2710, 0.2657



Tritanopia

12.6146, 0.4799, 0.3222

Trichromacy



Original Color

12.5765, 0.3754, 0.2137

Protanomaly

11.3311, 0.2467, 0.1875

Deuteranomaly

11.6611, 0.3034, 0.2348

Tritanomaly

12.3975, 0.4427, 0.2784

Monochromacy



Original Color

12.5765, 0.3754, 0.2137

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

10.9287, 0.3374, 0.2676

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5765, 0.3754, 0.2137 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, 50, 135)` looks like.

```
.text, #text, p{  
    color:rgb(170, 50, 135)  
}
```

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, 50, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 50, 135) }
```

Border

The CSS property to change the border of an element to Yxy 12.5765, 0.3754, 0.2137 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, 50, 135) }
```

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

```
.border{ border-color:rgb(170, 50, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 50, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 50, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 50, 135);  
box-shadow:4px 4px 4px 4px rgb(170, 50,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5765, 0.3754, 0.2137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 50, 135) }
```

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

```
.background{ background-color: rgb(170, 50,  
135) }
```

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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