

Converting Colors

$Y_{xy}(13.7534, 0.4026, 0.2267)$

Have a look what the booklet for
Yxy(13.7534, 0.4026, 0.2267)
contains.

Yxy(13.7534, 0.4026, 0.2267)	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(13.7534, 0.4026, 0.2267)

Conversions

Conversions Part 1

Format	Color
Hex	B63182
RGB	182, 49, 130
RGB Percent	71%, 19%, 51%
CMY	0.2862, 0.8080, 0.4902
CMYK	0.00, 0.73, 0.29, 0.29
HSL	323°, 58%, 45%
HSV	323°, 73%, 71%
XYZ	24.4249, 13.7534, 22.4896
YIQ	98.0010, 53.2670, 53.3870

Conversions

Conversions Part 2

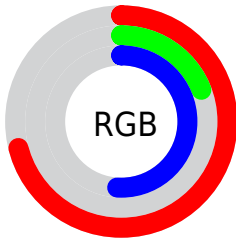
Format	Color
R_{YB}	182, 49, 130
Decimal	11940226
CIE _{Lab}	43.88, 59.79, -14.99
CIE _{LCh}	44, 61.642, 345.929
Yxy	13.7534, 0.4026, 0.2267
Android (android.graphics.Color)	4290130306 (0xFFB63182)
YUV	98.0010, 15.7755, 73.6671
Hunter-Lab	37.0856, 52.6618, -9.9950

Details

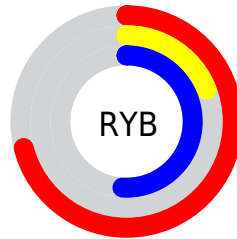
The Yxy color **13.7534, 0.4026, 0.2267** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **35.0599, 0.2772, 0.4776**, and the grayscale version is **12.1608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.6351, 0.3818, 0.2488**, and **4.9541, 0.4302, 0.2143** is the 20% darker color. If you saturate the color by 10%, you get **12.3436, 0.4204, 0.2222**, and if you desaturate by 10%, it is **15.7924, 0.3855, 0.2356**.

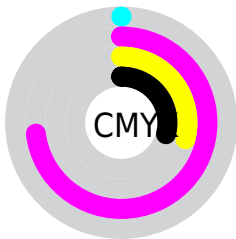
Distribution



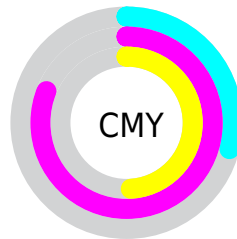
- Red (71%)
- Green (19%)
- Blue (51%)



- Red (71%)
- Yellow (19%)
- Blue (51%)



- Cyan (0%)
- Magenta (73%)
- Yellow (29%)
- Black (29%)




- Cyan (29%)
- Magenta (81%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.7534, 0.4026, 0.2267 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 13.7534, 0.4026, 0.2267 by changing the saturation by 10% instead.


 13.7534, 0.4026,
0.2267


 13.7534, 0.4026,
0.2267


215.6913, 0.3512,
0.2834

 7.9494, 0.4180,
0.2106


 32.6508, 0.3822,
0.2487


 4.0626, 0.4396,
0.1889


 46.5130, 0.3750,
0.2565


 1.7086, 0.4717,
0.1581

 63.8300, 0.3692,
0.2630

 0.4292, 0.5324,
0.0976

 84.9862, 0.3644,
0.2684

 0.0000, 0.7247,
0.0000

 110.3661, 0.3603,
0.2730

 0.0000, 0.0000,
0.0000

 140.3539, 0.3569,

0.2769

175.3342, 0.3539,
0.2804

■ 13.7534, 0.4026,
0.2267

■ 13.7534, 0.4026,
0.2267

■ 12.3436, 0.4204,
0.2222

■ 15.7924, 0.3855,
0.2356

■ 11.4812, 0.4380,
0.2228

■ 18.5247, 0.3696,
0.2478

■ 11.0937, 0.4502,
0.2253

■ 22.0091, 0.3553,
0.2622

■ 26.2971, 0.3427,
0.2778

■ 31.4361, 0.3319,
0.2937

■ 37.4694, 0.3226,
0.3094

■ 44.4376, 0.3149,
0.3245

■ 52.3786, 0.3084,
0.3387

■ 61.3284, 0.3029,
0.3520

Harmonies

Analogous

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



13.7534, 0.2722, 0.1781



13.7534, 0.4026, 0.2267



13.7534, 0.5192, 0.2938

Triad

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



13.7534, 0.4026, 0.2267



13.7534, 0.4170, 0.5377



13.7534, 0.1166, 0.2115

Complementary

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



13.7534, 0.4026, 0.2267



35.0599, 0.2772, 0.4776

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.



13.7534, 0.1379, 0.3174



13.7534, 0.4026, 0.2267



13.7534, 0.3074, 0.5688

Square

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



13.7534, 0.4026, 0.2267



13.7534, 0.5101, 0.4531



13.7534, 0.2042, 0.4737



13.7534, 0.1306, 0.1644

Rectangle

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



13.7534, 0.4026, 0.2267



13.7534, 0.5544, 0.3432



13.7534, 0.2042, 0.4737



13.7534, 0.1193, 0.2392

Sweetspot

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



13.7541, 0.4026, 0.2267



57.7156, 0.3311, 0.2949



8.2796, 0.2171, 0.1215



12.1511, 0.3339, 0.2906



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



13.7541, 0.4026, 0.2267



21.2684, 0.4317, 0.2220



12.5179, 0.5325, 0.3124



9.1016, 0.3195, 0.3152



7.8446, 0.4482, 0.2243



0.2883, 0.4073, 0.2017

Inverse Universe

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



13.7541, 0.4026, 0.2267



21.2684, 0.4317, 0.2220



36.8924, 0.2398, 0.3549



9.1016, 0.3195, 0.3152



7.8446, 0.4482, 0.2243



0.2883, 0.4073, 0.2017

Previews

White Background



This preview shows how the Yxy color 13.7534, 0.4026, 0.2267 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 13.7534, 0.4026, 0.2267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

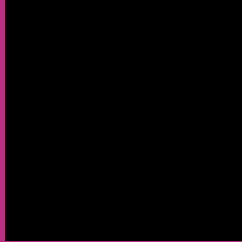
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.7534, 0.4026, 0.2267

Background



This preview shows how black text looks on a background with the Yxy color 13.7534, 0.4026, 0.2267.



This preview shows how white text looks on a background with the Yxy color 13.7534, 0.4026, 0.2267.

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

13.7534, 0.4026, 0.2267

Protanopia

14.0296, 0.2206, 0.2045

Deuteranopia

13.9970, 0.2915, 0.2859



Tritanopia

13.6857, 0.5021, 0.3244

Trichromacy



Original Color

13.7534, 0.4026, 0.2267

Protanomaly

12.2661, 0.2658, 0.2011

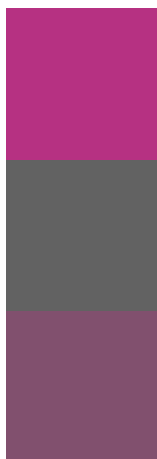
Deuteranomaly

12.7612, 0.3287, 0.2513

Tritanomaly

13.5881, 0.4680, 0.2872

Monochromacy



Original Color

13.7534, 0.4026, 0.2267

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.5302, 0.3470, 0.2715

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7534, 0.4026, 0.2267 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(182, 49, 130)` looks like.

```
.text, #text, p{  
    color:rgb(182, 49, 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(182, 49, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 49, 130) }
```

Border

The CSS property to change the border of an element to Yxy 13.7534, 0.4026, 0.2267 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(182, 49, 130) }
```

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

```
.border{ border-color:rgb(182, 49, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 49, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 49, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 49, 130);  
box-shadow:4px 4px 4px 4px rgb(182, 49,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7534, 0.4026, 0.2267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 49, 130) }
```

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

```
.background{ background-color: rgb(182, 49,  
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