

Converting Colors

$Y_{xy}(15.5460, 0.3638, 0.2514)$

Have a look what the booklet for
Yxy(15.5460, 0.3638, 0.2514)
contains.

| | |
|--|----|
| Yxy(15.5930, 0.3643, 0.2526) | 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(15.5930, 0.3643, 0.2526)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | A45284 |
| RGB | 164, 82, 132 |
| RGB Percent | 64%, 32%, 52% |
| CMY | 0.3569, 0.6784, 0.4824 |
| CMYK | 0.00, 0.50, 0.20, 0.36 |
| HSL | 323°, 33%, 48% |
| HSV | 323°, 50%, 64% |
| XYZ | 22.4882, 15.5930, 23.6488 |
| YIQ | 112.2180, 32.8220, 32.9340 |

Conversions

Conversions Part 2

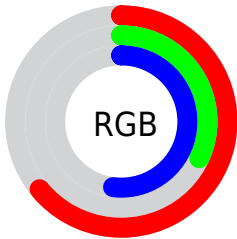
| Format | Color |
|-------------------------------------|------------------------------|
| RYB | 164, 82, 132 |
| Decimal | 10769028 |
| CIELab | 46.44, 40.13, -12.57 |
| CIELCh | 46, 42.053, 342.604 |
| Yxy | 15.5930, 0.3643, 0.2526 |
| Android (android.graphics.Color) | 4288959108 (0xFFA45284) |
| YUV | 112.2180, 9.7525, 45.4128 |
| Hunter-Lab | 39.4880, 32.5511, -7.8663 |

Details

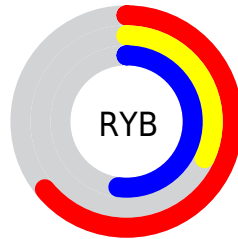
The Yxy color **15.5930, 0.3643, 0.2526** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **29.5544, 0.2830, 0.4226**, and the grayscale version is **16.2353, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.9251, 0.3531, 0.2694**, and **4.9042, 0.3867, 0.2246** is the 20% darker color. If you saturate the color by 10%, you get **13.2386, 0.3795, 0.2396**, and if you desaturate by 10%, it is **18.5507, 0.3507, 0.2674**.

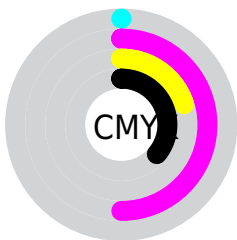
Distribution



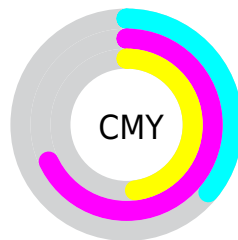
- Red (64%)
- Green (32%)
- Blue (52%)



- Red (64%)
- Yellow (32%)
- Blue (52%)



- Cyan (0%)
- Magenta (50%)
- Yellow (20%)
- Black (36%)





- Cyan (36%)
- Magenta (68%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5930, 0.3643, 0.2526 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 15.5930, 0.3643, 0.2526 by changing the saturation by 10% instead.


 15.5930, 0.3643,
0.2526


 15.5930, 0.3643,
0.2526


226.9280, 0.3351,
0.2951


 9.2366, 0.3730,
0.2403

 35.8902, 0.3528,
0.2692


 4.8958, 0.3851,
0.2234


 50.5998, 0.3487,
0.2751

 2.1863, 0.4031,
0.1989

 68.8625, 0.3454,
0.2799

 0.7125, 0.4336,
0.1586

 91.0629, 0.3427,
0.2840

 0.0000, 0.5736,
0.0000

 117.5852, 0.3403,
0.2874

 0.0000, 0.0000,
0.0000

148.8139, 0.3384,

0.2904

185.1333, 0.3366,
0.2929

■ 15.5930, 0.3643,
0.2526

■ 15.5930, 0.3643,
0.2526

■ 13.2386, 0.3795,
0.2396

■ 18.5507, 0.3507,
0.2674

■ 11.4423, 0.3961,
0.2294

■ 22.1481, 0.3388,
0.2831

■ 10.1559, 0.4135,
0.2232


■ 26.4215, 0.3286,
0.2989


■ 9.3224, 0.4311,
0.2218


■ 31.4037, 0.3200,
0.3143

■ 8.8109, 0.4487,
0.2245

■ 37.1256, 0.3127,
0.3290

 8.8100, 0.4487,
0.2245

 43.6158, 0.3066,
0.3429

 50.9019, 0.3015,
0.3557

 59.0097, 0.2973,
0.3676

 67.9641, 0.2938,
0.3786

Harmonies

Analogous

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



15.5930, 0.2788, 0.2170



15.5930, 0.3643, 0.2526



15.5930, 0.4425, 0.3041

Triad

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



15.5930, 0.3643, 0.2526



15.5930, 0.4051, 0.4729



15.5930, 0.1707, 0.2591

Complementary

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



15.5930, 0.3643, 0.2526



29.5544, 0.2830, 0.4226

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.



15.5930, 0.1948, 0.3367



15.5930, 0.3643, 0.2526



15.5930, 0.3278, 0.4823

Square

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



15.5930, 0.3643, 0.2526



15.5930, 0.4621, 0.4240



15.5930, 0.2507, 0.4281



15.5930, 0.1774, 0.2155

Rectangle

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



15.5930, 0.3643, 0.2526



15.5930, 0.4728, 0.3433



15.5930, 0.2507, 0.4281



15.5930, 0.1751, 0.2814

Sweetspot

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



15.5938, 0.3643, 0.2526



52.0589, 0.3244, 0.3062



12.2572, 0.2534, 0.1873



10.9941, 0.3262, 0.3031



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



15.5938, 0.3643, 0.2526



23.6122, 0.3814, 0.2382



14.6936, 0.4331, 0.3144



7.1551, 0.3194, 0.3154



6.7663, 0.4471, 0.2237



0.1510, 0.3911, 0.1928

Inverse Universe

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



15.5938, 0.3643, 0.2526



23.6122, 0.3814, 0.2382



30.6862, 0.2548, 0.3456



7.1551, 0.3194, 0.3154



6.7663, 0.4471, 0.2237



0.1510, 0.3911, 0.1928

Previews

White Background



This preview shows how the Yxy color 15.5930, 0.3643, 0.2526 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 15.5930, 0.3643, 0.2526 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

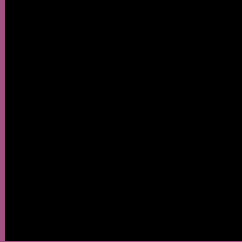
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.5930, 0.3643, 0.2526

Background



This preview shows how black text looks on a background with the Yxy color 15.5930, 0.3643, 0.2526.



This preview shows how white text looks on a background with the Yxy color 15.5930, 0.3643, 0.2526.

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

15.5930, 0.3643, 0.2526

Protanopia

15.7683, 0.2541, 0.2490

Deuteranopia

15.7943, 0.2949, 0.2899



Tritanopia

15.6304, 0.4143, 0.3196

Trichromacy



Original Color

15.5930, 0.3643, 0.2526

Protanomaly

15.0749, 0.2874, 0.2473

Deuteranomaly

15.4142, 0.3195, 0.2745

Tritanomaly

15.4976, 0.3958, 0.2939

Monochromacy



Original Color

15.5930, 0.3643, 0.2526

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.4646, 0.3314, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5930, 0.3643, 0.2526 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(164, 82, 132)` looks like.

```
.text, #text, p{  
    color:rgb(164, 82, 132)  
}
```

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(164, 82, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 82, 132) }
```

Border

The CSS property to change the border of an element to Yxy 15.5930, 0.3643, 0.2526 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(164, 82, 132) }
```

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

```
.border{ border-color:rgb(164, 82, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 82, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 82, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 82, 132);  
box-shadow:4px 4px 4px 4px rgb(164, 82,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5930, 0.3643, 0.2526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 82, 132) }
```

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

```
.background{ background-color: rgb(164, 82,  
132) }
```

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