

Converting Colors

$Y_{xy}(12.6585, 0.5782, 0.3619)$

Have a look what the booklet for
Yxy(12.6585, 0.5782, 0.3619)
contains.

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Color

Yxy(12.6640, 0.5784, 0.3619)

Conversions

Conversions Part 1

Format	Color
Hex	B33A15
RGB	179, 58, 21
RGB Percent	70%, 23%, 8%
CMY	0.2980, 0.7725, 0.9175
CMYK	0.00, 0.68, 0.88, 0.30
HSL	14°, 79%, 39%
HSV	14°, 88%, 70%
XYZ	20.2400, 12.6640, 2.0891
YIQ	89.9610, 83.9930, 14.1450

Conversions

Conversions Part 2

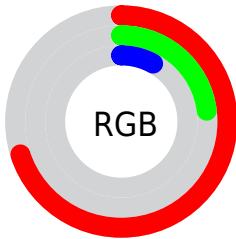
Format	Color
R _Y B	179, 69, 21
Decimal	11745813
CIE Lab	42.25, 47.49, 46.89
CIE LCh	42, 66.741, 44.637
Yxy	12.6640, 0.5784, 0.3619
Android (android.graphics.Color)	4289935893 (0xFFB33A15)
YUV	89.9610, -33.9978, 78.0872
Hunter-Lab	35.5865, 39.2463, 21.4300

Details

The Yxy color **12.6640, 0.5784, 0.3619** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **22.7743, 0.2084, 0.2618**, and the grayscale version is **10.2801, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6758, 0.5206, 0.3682**, and **3.8516, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.4141, 0.6062, 0.3545**, and if you desaturate by 10%, it is **14.3281, 0.5430, 0.3660**.

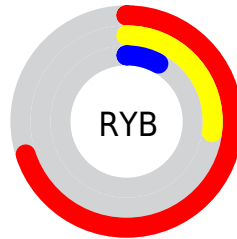
Distribution



Red (70%)

Green (23%)

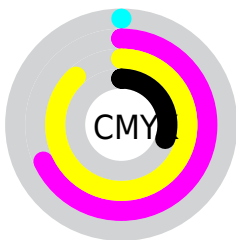
Blue (8%)



Red (70%)

Yellow (27%)

Blue (8%)

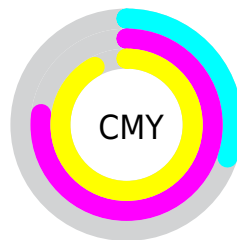


Cyan (0%)

Magenta (68%)

Yellow (88%)

Black (30%)



Cyan (30%)


Magenta (77%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6640, 0.5784, 0.3619 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 12.6640, 0.5784, 0.3619 by changing the saturation by 10% instead.


 12.6640, 0.5784,
0.3619


 12.6640, 0.5784,
0.3619


208.7529, 0.4253,
0.3608

 7.1976, 0.6189,
0.3513


 30.6988, 0.5200,
0.3685


 3.5860, 0.6701,
0.3299

 44.0360, 0.4986,
0.3686

 1.4448, 0.7185,
0.2815

 60.7656, 0.4808,
0.3677

 0.2494, 0.8596,
0.1404

 81.2719, 0.4659,
0.3665


 0.0000, 1.0000,
0.0000


 105.9394, 0.4534,
0.3651

 0.0000, 0.0000,
0.0000


 135.1525, 0.4426,


0.3637


 169.2955, 0.4333,
0.3622


 12.6640, 0.5784,
0.3619


 12.6640, 0.5784,
0.3619


 11.4141, 0.6062,
0.3545

 14.3281, 0.5430,
0.3660

 11.2318, 0.6107,
0.3533

 16.4423, 0.5037,
0.3663

 19.0385, 0.4645,
0.3635

 22.1451, 0.4283,
0.3587

 25.7878, 0.3962,
0.3527

■ 29.9910, 0.3687,
0.3463

■ 34.7771, 0.3456,
0.3399

■ 40.1677, 0.3262,
0.3338

■ 46.1829, 0.3101,
0.3280

Harmonies

Analogous

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



12.6640, 0.5372, 0.2844



12.6640, 0.5784, 0.3619



12.6640, 0.5269, 0.4520

Triad

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



12.6640, 0.5784, 0.3619



12.6640, 0.1955, 0.5000



12.6640, 0.1654, 0.1432

Complementary

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



12.6640, 0.5784, 0.3619



22.7743, 0.2084, 0.2618

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.



12.6640, 0.1162, 0.1521



12.6640, 0.5784, 0.3619



12.6640, 0.1247, 0.3201

Square

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



12.6640, 0.5784, 0.3619



12.6640, 0.3060, 0.5986



12.6640, 0.1025, 0.2023



12.6640, 0.2618, 0.1648

Rectangle

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



12.6640, 0.5784, 0.3619



12.6640, 0.4625, 0.5194



12.6640, 0.1025, 0.2023



12.6640, 0.1444, 0.1426

Sweetspot

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



12.6647, 0.5784, 0.3619



55.1795, 0.3642, 0.3451



12.0795, 0.3797, 0.1931



11.6149, 0.3729, 0.3473



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.6647, 0.5784, 0.3619



19.8299, 0.6133, 0.3512



27.4961, 0.4631, 0.4605



8.8173, 0.3281, 0.3344



8.0218, 0.6087, 0.3548



0.3426, 0.5549, 0.3976

Inverse Universe

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



22.7743, 0.2084, 0.2618



37.5731, 0.2029, 0.2504



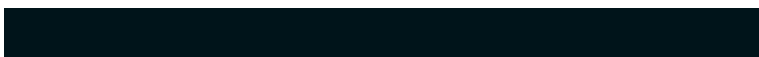
6.9881, 0.1687, 0.1152



9.2878, 0.2986, 0.3235



15.0697, 0.2036, 0.2528



0.5564, 0.2101, 0.2764

Previews

White Background



This preview shows how the Yxy color 12.6640, 0.5784, 0.3619 looks on a white background.

Color Contrast Check

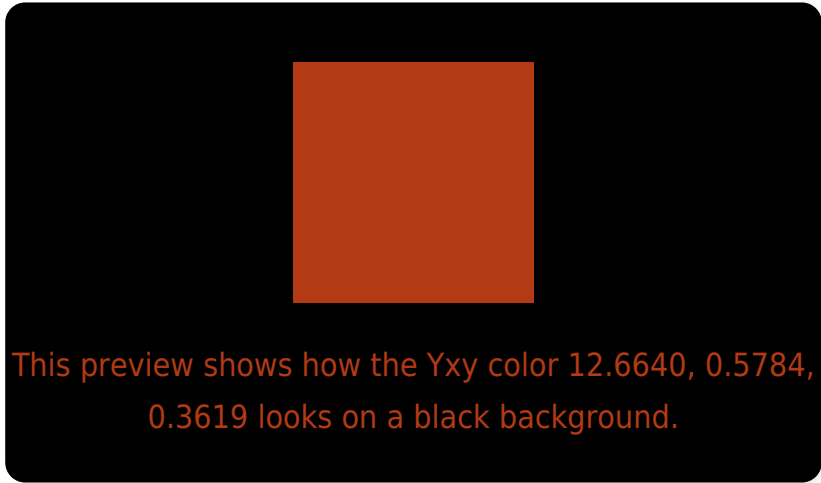
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

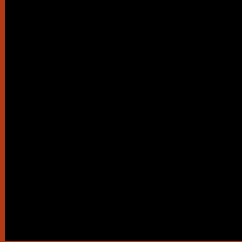
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.6640, 0.5784, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 12.6640, 0.5784, 0.3619.



This preview shows how white text looks on a background with the Yxy color 12.6640, 0.5784, 0.3619.

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

12.6640, 0.5784, 0.3619

Protanopia

12.9224, 0.4204, 0.4633

Deuteranopia

12.6964, 0.4702, 0.4648



Tritanopia

12.6370, 0.5392, 0.3263

Trichromacy



Original Color

12.6640, 0.5784, 0.3619

Protanomaly

11.8992, 0.4860, 0.4198

Deuteranomaly

12.1631, 0.5166, 0.4213

Tritanomaly

12.6175, 0.5581, 0.3411

Monochromacy



Original Color

12.6640, 0.5784, 0.3619

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

9.9680, 0.4183, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6640, 0.5784, 0.3619 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(179, 58, 21)` looks like.

```
.text, #text, p{  
    color:rgb(179, 58, 21)  
}
```

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(179, 58, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 58, 21) }
```

Border

The CSS property to change the border of an element to Yxy 12.6640, 0.5784, 0.3619 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(179, 58, 21) }
```

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

```
.border{ border-color:rgb(179, 58, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 58, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 58, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 58, 21);  
box-shadow:4px 4px 4px 4px rgb(179, 58,  
21) }
```


Background

The CSS property to change the background color of an element to Yxy 12.6640, 0.5784, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 58, 21) }
```

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

```
.background{ background-color: rgb(179, 58,  
21) }
```

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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