

Converting Colors

$Y_{xy}(12.5244, 0.5563, 0.3597)$

Have a look what the booklet for
Yxy(12.5244, 0.5563, 0.3597)
contains.

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Color

Yxy(12.5594, 0.5572, 0.3595)

Conversions

Conversions Part 1

Format	Color
Hex	AE3E22
RGB	174, 62, 34
RGB Percent	68%, 24%, 13%
CMY	0.3177, 0.7568, 0.8667
CMYK	0.00, 0.64, 0.80, 0.32
HSL	12°, 67%, 41%
HSV	12°, 80%, 68%
XYZ	19.4662, 12.5594, 2.9101
YIQ	92.2960, 75.7400, 15.0360

Conversions

Conversions Part 2

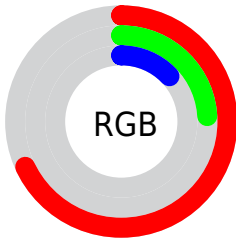
Format	Color
R _Y B	174, 69, 34
Decimal	11419170
CIE Lab	42.09, 44.33, 40.36
CIE LCh	42, 59.951, 42.317
Yxy	12.5594, 0.5572, 0.3595
Android (android.graphics.Color)	4289609250 (0xFFAE3E22)
YUV	92.2960, -28.7399, 71.6544
Hunter-Lab	35.4392, 36.0285, 19.9388

Details

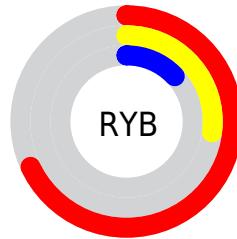
The Yxy color **12.5594, 0.5572, 0.3595** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **23.9432, 0.2155, 0.2778**, and the grayscale version is **10.8296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4616, 0.5011, 0.3626**, and **3.5774, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.1591, 0.5917, 0.3547**, and if you desaturate by 10%, it is **14.3996, 0.5172, 0.3608**.

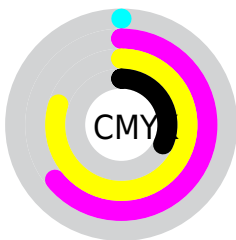
Distribution



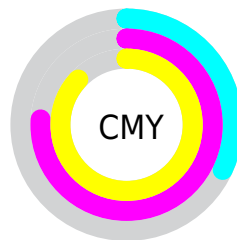
- Red (68%)
- Green (24%)
- Blue (13%)



- Red (68%)
- Yellow (27%)
- Blue (13%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)
- Black (32%)




- Cyan (32%)
- Magenta (76%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5594, 0.5572, 0.3595 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 12.5594, 0.5572, 0.3595 by changing the saturation by 10% instead.


 12.5594, 0.5572,
0.3595

 12.5594, 0.5572,
0.3595


208.0743, 0.4134,
0.3556


 7.1259, 0.5971,
0.3512


 30.5099, 0.5007,
0.3634


 3.5409, 0.6607,
0.3393

 43.7957, 0.4805,
0.3630


 1.4202, 0.7079,
0.2921

 60.4677, 0.4640,
0.3620

 0.2316, 0.8573,
0.1427

 80.9102, 0.4504,
0.3608

 0.0000, 1.0000,
0.0000

 105.5078, 0.4389,
0.3594


 0.0000, 0.0000,
0.0000


 134.6447, 0.4291,

0.3581


 168.7054, 0.4207,
0.3568


 12.5594, 0.5572,
0.3595


 12.5594, 0.5572,
0.3595


 11.1591, 0.5917,
0.3547


 14.3996, 0.5172,
0.3608

 10.1905, 0.6170,
0.3483

 16.7113, 0.4764,
0.3592

 19.5256, 0.4381,
0.3554

 22.8701, 0.4042,
0.3505

 26.7707, 0.3751,
0.3450

■ 31.2512, 0.3506,
0.3395

■ 36.3342, 0.3303,
0.3342

■ 42.0410, 0.3134,
0.3292

■ 48.3920, 0.2995,
0.3246

Harmonies

Analogous

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



12.5594, 0.5090, 0.2850



12.5594, 0.5572, 0.3595



12.5594, 0.5192, 0.4425

Triad

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



12.5594, 0.5572, 0.3595



12.5594, 0.2150, 0.4918



12.5594, 0.1714, 0.1553

Complementary

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



12.5594, 0.5572, 0.3595



23.9432, 0.2155, 0.2778

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.



12.5594, 0.1269, 0.1674



12.5594, 0.5572, 0.3595



12.5594, 0.1430, 0.3346

Square

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



12.5594, 0.5572, 0.3595



12.5594, 0.3206, 0.5716



12.5594, 0.1168, 0.2204



12.5594, 0.2585, 0.1737

Rectangle

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



12.5594, 0.5572, 0.3595



12.5594, 0.4630, 0.5016



12.5594, 0.1168, 0.2204



12.5594, 0.1523, 0.1557

Sweetspot

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



12.5601, 0.5572, 0.3595



53.3463, 0.3598, 0.3417



12.2164, 0.3641, 0.1916



11.2306, 0.3684, 0.3436



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



12.5601, 0.5572, 0.3595



18.6947, 0.6129, 0.3485



25.6140, 0.4585, 0.4518



8.2654, 0.3282, 0.3336



7.4614, 0.6152, 0.3497



0.2813, 0.5612, 0.3926

Inverse Universe

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



23.9432, 0.2155, 0.2778



39.4047, 0.2072, 0.2647



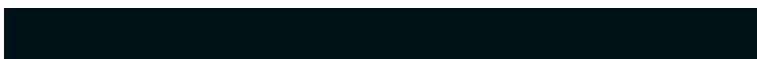
8.5626, 0.1797, 0.1414



8.7956, 0.2986, 0.3244



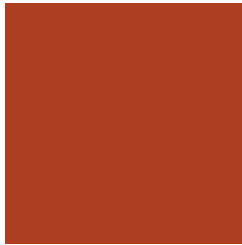
15.7294, 0.2068, 0.2645



0.5059, 0.2128, 0.2861

Previews

White Background



This preview shows how the Yxy color 12.5594, 0.5572, 0.3595 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 12.5594, 0.5572, 0.3595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

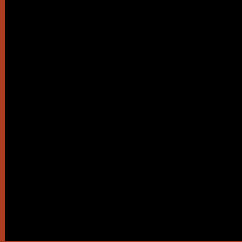
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5594, 0.5572, 0.3595

Background



This preview shows how black text looks on a background with the Yxy color 12.5594, 0.5572, 0.3595.



This preview shows how white text looks on a background with the Yxy color 12.5594, 0.5572, 0.3595.

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

12.5594, 0.5572, 0.3595

Protanopia

12.6833, 0.4053, 0.4436

Deuteranopia

12.6860, 0.4564, 0.4501



Tritanopia

12.5897, 0.5207, 0.3259

Trichromacy



Original Color

12.5594, 0.5572, 0.3595

Protanomaly

11.8840, 0.4656, 0.4081

Deuteranomaly

12.1100, 0.4975, 0.4118

Tritanomaly

12.5936, 0.5362, 0.3391

Monochromacy



Original Color

12.5594, 0.5572, 0.3595

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.4774, 0.4045, 0.3501

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5594, 0.5572, 0.3595 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(174, 62, 34)` looks like.

```
.text, #text, p{  
  color:rgb(174, 62, 34)  
}
```

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(174, 62, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 62, 34) }
```

Border

The CSS property to change the border of an element to Yxy 12.5594, 0.5572, 0.3595 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(174, 62, 34) }
```

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

```
.border{ border-color:rgb(174, 62, 34) }
```

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

Here you see how a box with a 4 pixel rgb(174, 62, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 62, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 62, 34);  
box-shadow:4px 4px 4px 4px rgb(174, 62,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5594, 0.5572, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 62, 34) }
```

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

```
.background{ background-color: rgb(174, 62,  
34) }
```

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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