

Converting Colors

$Y_{xy}(12.7754, 0.5364, 0.3463)$

Have a look what the booklet for
Yxy(12.7754, 0.5364, 0.3463)
contains.

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Color

Yxy(12.7754, 0.5364, 0.3463)

Conversions

Conversions Part 1

Format	Color
Hex	AE3F31
RGB	174, 63, 49
RGB Percent	68%, 25%, 19%
CMY	0.3176, 0.7529, 0.8079
CMYK	0.00, 0.64, 0.72, 0.32
HSL	7°, 56%, 44%
HSV	7°, 72%, 68%
XYZ	19.7884, 12.7754, 4.3273
YIQ	94.5930, 70.6500, 19.1780

Conversions

Conversions Part 2

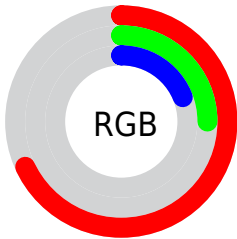
Format	Color
R_{YB}	174, 65, 49
Decimal	11419441
CIE Lab	42.42, 44.52, 32.48
CIE LCh	42, 55.107, 36.110
Yxy	12.7754, 0.5364, 0.3463
Android (android.graphics.Color)	4289609521 (0xFFAE3F31)
YUV	94.5930, -22.4773, 69.6399
Hunter-Lab	35.7427, 36.2741, 17.8417

Details

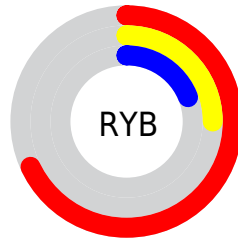
The Yxy color **12.7754, 0.5364, 0.3463** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.8488, 0.2265, 0.3043**, and the grayscale version is **11.3834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9975, 0.4820, 0.3506**, and **3.6536, 0.6337, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **11.1788, 0.5781, 0.3446**, and if you desaturate by 10%, it is **14.9104, 0.4921, 0.3460**.

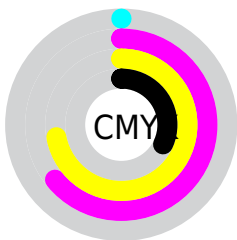
Distribution



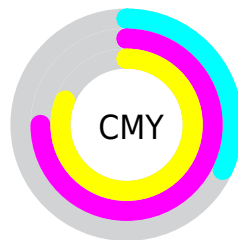
- Red (68%)
- Green (25%)
- Blue (19%)



- Red (68%)
- Yellow (25%)
- Blue (19%)



- Cyan (0%)
- Magenta (64%)
- Yellow (72%)
- Black (32%)



- Cyan (32%)
- Magenta (75%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7754, 0.5364, 0.3463 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 12.7754, 0.5364, 0.3463 by changing the saturation by 10% instead.


 12.7754, 0.5364,
0.3463


 12.7754, 0.5364,
0.3463


209.4732, 0.4028,
0.3463

 7.2741, 0.5763,
0.3394


 30.8997, 0.4825,
0.3502


 3.6341, 0.6344,
0.3268

 44.2914, 0.4638,
0.3503

 1.4711, 0.7066,
0.2934

 61.0821, 0.4487,
0.3499

 0.2682, 0.8436,
0.1564

 81.6561, 0.4362,
0.3493

 0.0000, 1.0000,
0.0000

 106.3978, 0.4258,
0.3486

 0.0000, 0.0000,
0.0000

 135.6916, 0.4169,

0.3478

169.9220, 0.4093,
0.3470

■ 12.7754, 0.5364,
0.3463

■ 12.7754, 0.5364,
0.3463

■ 11.1788, 0.5781,
0.3446

■ 14.9104, 0.4921,
0.3460

■ 10.0700, 0.6112,
0.3409

■ 17.6241, 0.4501,
0.3442

■ 9.4824, 0.6303,
0.3377

■ 20.9552, 0.4128,
0.3416

■ 24.9387, 0.3810,
0.3385

■ 29.6068, 0.3547,
0.3354

■ 34.9897, 0.3332,
0.3323

■ 41.1157, 0.3156,
0.3295

■ 48.0115, 0.3012,
0.3269

■ 55.7026, 0.2894,
0.3245

Harmonies

Analogous

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



12.7754, 0.4733, 0.2758



12.7754, 0.5364, 0.3463



12.7754, 0.5191, 0.4233

Triad

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



12.7754, 0.5364, 0.3463



12.7754, 0.2432, 0.5000



12.7754, 0.1690, 0.1659

Complementary

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



12.7754, 0.5364, 0.3463



28.8488, 0.2265, 0.3043

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.



12.7754, 0.1333, 0.1853



12.7754, 0.5364, 0.3463



12.7754, 0.1658, 0.3642

Square

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



12.7754, 0.5364, 0.3463



12.7754, 0.3456, 0.5503



12.7754, 0.1310, 0.2470



12.7754, 0.2428, 0.1775

Rectangle

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



12.7754, 0.5364, 0.3463



12.7754, 0.4741, 0.4772



12.7754, 0.1310, 0.2470



12.7754, 0.1532, 0.1686

Sweetspot

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



12.7761, 0.5364, 0.3463



53.2071, 0.3560, 0.3356



13.7862, 0.3378, 0.1860



11.3045, 0.3626, 0.3364



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.



12.7761, 0.5364, 0.3463



19.0315, 0.5983, 0.3427



23.6363, 0.4586, 0.4298



8.1545, 0.3284, 0.3316



6.9234, 0.6291, 0.3387



0.2374, 0.5909, 0.3690

Inverse Universe

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



28.8488, 0.2265, 0.3043



49.5454, 0.2185, 0.2982



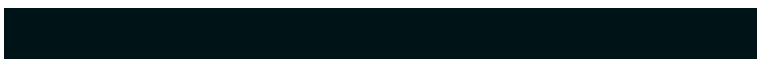
12.6318, 0.1972, 0.1864



8.9165, 0.2986, 0.3264



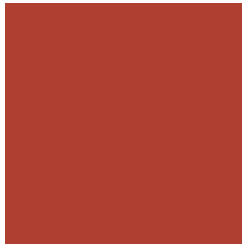
19.1531, 0.2150, 0.2939



0.5754, 0.2182, 0.3054

Previews

White Background



This preview shows how the Yxy color 12.7754, 0.5364, 0.3463 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 12.7754, 0.5364, 0.3463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

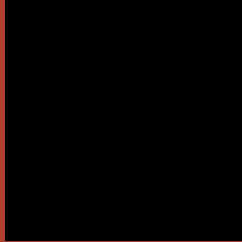
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7754, 0.5364, 0.3463

Background



This preview shows how black text looks on a background with the Yxy color 12.7754, 0.5364, 0.3463.



This preview shows how white text looks on a background with the Yxy color 12.7754, 0.5364, 0.3463.

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

12.7754, 0.5364, 0.3463

Protanopia

12.9702, 0.3812, 0.4137

Deuteranopia

12.8929, 0.4361, 0.4306



Tritanopia

12.8216, 0.5152, 0.3258

Trichromacy



Original Color

12.7754, 0.5364, 0.3463

Protanomaly

12.0983, 0.4402, 0.3854

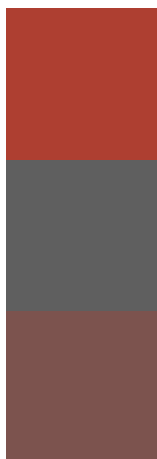
Deuteranomaly

12.3697, 0.4765, 0.3937

Tritanomaly

12.8750, 0.5228, 0.3333

Monochromacy



Original Color

12.7754, 0.5364, 0.3463

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.0217, 0.3937, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7754, 0.5364, 0.3463 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, 63, 49)` looks like.

```
.text, #text, p{  
    color:rgb(174, 63, 49)  
}
```

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, 63, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 63, 49) }
```

Border

The CSS property to change the border of an element to Yxy 12.7754, 0.5364, 0.3463 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, 63, 49) }
```

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

```
.border{ border-color:rgb(174, 63, 49) }
```

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

Here you see how a box with a 4 pixel rgb(174, 63, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 63, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 63, 49);  
box-shadow:4px 4px 4px 4px rgb(174, 63,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7754, 0.5364, 0.3463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 63, 49) }
```

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

```
.background{ background-color: rgb(174, 63,  
49) }
```

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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