

Converting Colors

$Y_{xy}(16.0195, 0.4508, 0.3294)$

Have a look what the booklet for
Yxy(16.0195, 0.4508, 0.3294)
contains.

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Color

Yxy(16.0981, 0.4506, 0.3294)

Conversions

Conversions Part 1

Format	Color
Hex	AC5656
RGB	172, 86, 86
RGB Percent	67%, 34%, 34%
CMY	0.3255, 0.6627, 0.6627
CMYK	0.00, 0.50, 0.50, 0.33
HSL	360°, 34%, 51%
HSV	360°, 50%, 67%
XYZ	22.0213, 16.0981, 10.7516
YIQ	111.7140, 51.2560, 18.2320

Conversions

Conversions Part 2

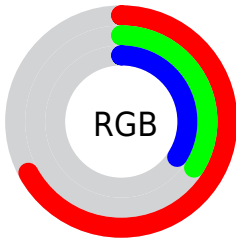
Format	Color
RYB	172, 86, 86
Decimal	11294294
CIELab	47.10, 35.10, 16.36
CIELCh	47, 38.723, 24.986
Yxy	16.0981, 0.4506, 0.3294
Android (android.graphics.Color)	4289484374 (0xFFAC5656)
YUV	111.7140, -12.6770, 52.8708
Hunter-Lab	40.1224, 27.7557, 12.1978

Details

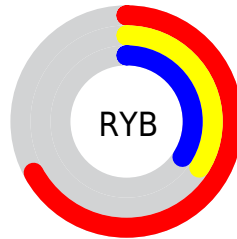
The Yxy color **16.0981, 0.4506, 0.3294** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.4630, 0.2484, 0.3288**, and the grayscale version is **16.1422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7775, 0.4163, 0.3316**, and **5.1349, 0.5138, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **13.4302, 0.4956, 0.3295**, and if you desaturate by 10%, it is **19.4953, 0.4112, 0.3293**.

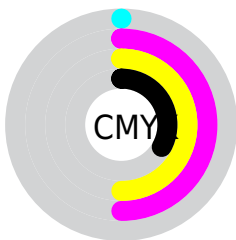
Distribution



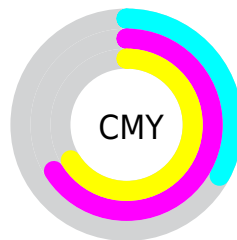
- Red (67%)
- Green (34%)
- Blue (34%)



- Red (67%)
- Yellow (34%)
- Blue (34%)



- Cyan (0%)
- Magenta (50%)
- Yellow (50%)
- Black (33%)




- Cyan (33%)
- Magenta (66%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0981, 0.4506, 0.3294 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 16.0981, 0.4506, 0.3294 by changing the saturation by 10% instead.


 16.0981, 0.4506,
0.3294


 16.0981, 0.4506,
0.3294


229.9199, 0.3690,
0.3323


 9.5936, 0.4763,
0.3266


 36.7684, 0.4173,
0.3317


 5.1303, 0.5130,
0.3211

 51.7030, 0.4059,
0.3321


 2.3239, 0.5686,
0.3093

 70.2165, 0.3968,
0.3323

 0.7863, 0.7026,
0.2974

 92.6931, 0.3892,
0.3324

 0.0000, 1.0000,
0.0000


 119.5174, 0.3829,
0.3325


 0.0000, 0.0000,
0.0000


151.0737, 0.3776,


0.3324


187.7464, 0.3730,
0.3324


 16.0981, 0.4506,
0.3294


 16.0981, 0.4506,
0.3294


 13.4302, 0.4956,
0.3295


 19.4953, 0.4112,
0.3293


 11.4359, 0.5430,
0.3297


 23.6670, 0.3782,
0.3292


 10.0559, 0.5868,
0.3298


 28.6579, 0.3515,
0.3291

 9.2192, 0.6198,
0.3299

 34.5084, 0.3299,
0.3291

 8.7709, 0.6401,
0.3300


 41.2563, 0.3127,
0.3290

 8.7709, 0.6401,
0.3300

 48.9371, 0.2989,
0.3290

 57.5845, 0.2877,
0.3289

 67.2304, 0.2787,
0.3289

 77.9052, 0.2713,
0.3289

Harmonies

Analogous

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



16.0981, 0.3921, 0.2771



16.0981, 0.4506, 0.3294



16.0981, 0.4644, 0.3861

Triad

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



16.0981, 0.4506, 0.3294



16.0981, 0.2973, 0.4537



16.0981, 0.1981, 0.2164

Complementary

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



16.0981, 0.4506, 0.3294



34.4630, 0.2484, 0.3288

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.



16.0981, 0.1803, 0.2450



16.0981, 0.4506, 0.3294



16.0981, 0.2318, 0.3859

Square

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



16.0981, 0.4506, 0.3294



16.0981, 0.3709, 0.4700



16.0981, 0.1911, 0.3044



16.0981, 0.2435, 0.2150

Rectangle

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



16.0981, 0.4506, 0.3294



16.0981, 0.4476, 0.4224



16.0981, 0.1911, 0.3044



16.0981, 0.1891, 0.2227

Sweetspot

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



16.0989, 0.4506, 0.3294



56.8098, 0.3407, 0.3291



18.2443, 0.3165, 0.2101



11.8856, 0.3452, 0.3291



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



16.0989, 0.4506, 0.3294



23.9173, 0.5007, 0.3296



24.7690, 0.4162, 0.3912



8.0154, 0.3286, 0.3290



6.5268, 0.6401, 0.3300



0.1816, 0.6401, 0.3300

Inverse Universe

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



16.0989, 0.4506, 0.3294



23.9173, 0.5007, 0.3296



21.0387, 0.2344, 0.2552



8.0154, 0.3286, 0.3290



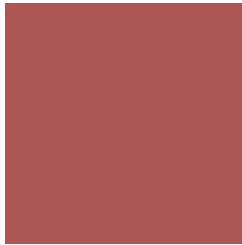
6.5268, 0.6401, 0.3300



0.1816, 0.6401, 0.3300

Previews

White Background



This preview shows how the Yxy color 16.0981, 0.4506, 0.3294 looks on a white background.

Color Contrast Check

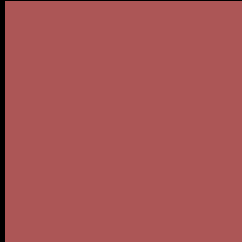
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0981, 0.4506, 0.3294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

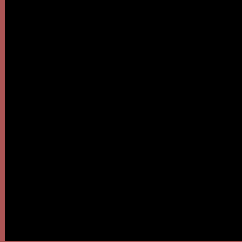
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.0981, 0.4506, 0.3294

Background



This preview shows how black text looks on a background with the Yxy color 16.0981, 0.4506, 0.3294.

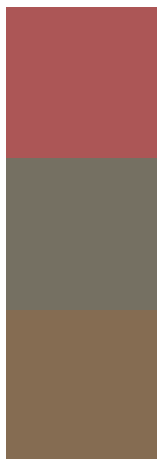


This preview shows how white text looks on a background with the Yxy color 16.0981, 0.4506, 0.3294.

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

16.0981, 0.4506, 0.3294

Protanopia

16.2521, 0.3372, 0.3574

Deuteranopia

16.3209, 0.3838, 0.3783



Tritanopia

16.0230, 0.4430, 0.3205

Trichromacy



Original Color

16.0981, 0.4506, 0.3294

Protanomaly

15.8270, 0.3757, 0.3459

Deuteranomaly

15.9419, 0.4088, 0.3591

Tritanomaly

15.9889, 0.4464, 0.3235

Monochromacy



Original Color

16.0981, 0.4506, 0.3294

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.7481, 0.3580, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0981, 0.4506, 0.3294 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(172, 86, 86)` looks like.

```
.text, #text, p{  
    color:rgb(172, 86, 86)  
}
```

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(172, 86, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 86, 86) }
```

Border

The CSS property to change the border of an element to Yxy 16.0981, 0.4506, 0.3294 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(172, 86, 86) }
```

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

```
.border{ border-color:rgb(172, 86, 86) }
```

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

Here you see how a box with a 4 pixel rgb(172, 86, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 86, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 86, 86);  
box-shadow:4px 4px 4px 4px rgb(172, 86,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 16.0981, 0.4506, 0.3294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 86, 86) }
```

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

```
.background{ background-color: rgb(172, 86,  
86) }
```

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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