

Converting Colors

$Y_{xy}(45.9148, 0.4286, 0.3759)$

Have a look what the booklet for
Yxy(45.9148, 0.4286, 0.3759)
contains.

Yxy(46.0757, 0.4283, 0.3764)	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(46.0757, 0.4283, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	F0A378
RGB	240, 163, 120
RGB Percent	94%, 64%, 47%
CMY	0.0587, 0.3608, 0.5293
CMYK	0.00, 0.32, 0.50, 0.06
HSL	21°, 80%, 71%
HSV	21°, 50%, 94%
XYZ	52.4289, 46.0757, 23.9070
YIQ	181.1210, 59.6950, 2.9510

Conversions

Conversions Part 2

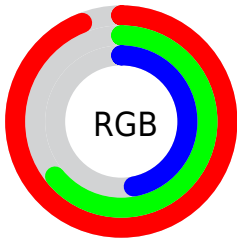
Format	Color
R _Y B	240, 187, 120
Decimal	15770488
CIE Lab	73.59, 23.88, 33.82
CIE LCh	74, 41.396, 54.776
Yxy	46.0757, 0.4283, 0.3764
Android (android.graphics.Color)	4293960568 (0xFFFF0A378)
YUV	181.1210, -30.1327, 51.6369
Hunter-Lab	67.8791, 19.0825, 26.6335

Details

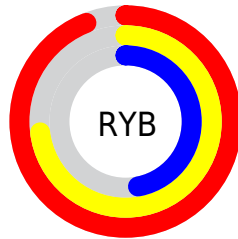
The Yxy color **46.0757, 0.4283, 0.3764** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **50.2428, 0.2367, 0.2737**, and the grayscale version is **46.4216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4199, 0.3725, 0.3753**, and **21.6476, 0.4596, 0.3845** is the 20% darker color. If you saturate the color by 10%, you get **40.4244, 0.4613, 0.3838**, and if you desaturate by 10%, it is **52.5441, 0.3983, 0.3673**.

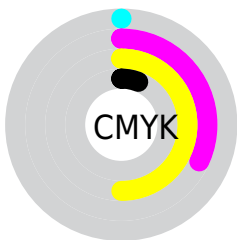
Distribution



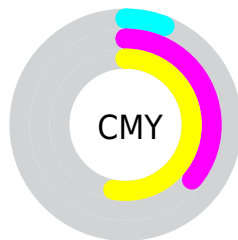
- Red (94%)
- Green (64%)
- Blue (47%)



- Red (94%)
- Yellow (73%)
- Blue (47%)



- Cyan (0%)
- Magenta (32%)
- Yellow (50%)
- Black (6%)




- Cyan (6%)
- Magenta (36%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0757, 0.4283, 0.3764 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 46.0757, 0.4283, 0.3764 by changing the saturation by 10% instead.


 46.0757, 0.4283,
0.3764

 46.0757, 0.4283,
0.3764


371.1129, 0.3704,
0.3558

 32.3056, 0.4424,
0.3804


 84.3323, 0.4075,
0.3697

 21.5950, 0.4601,
0.3847

 109.5875, 0.3996,
0.3670

 13.5596, 0.4829,
0.3892


 139.4399, 0.3928,
0.3645

 7.8150, 0.5128,
0.3927

174.2738, 0.3871,
0.3624

 3.9768, 0.5568,
0.3955

214.4737, 0.3821,
0.3605

 1.6606, 0.6139,
0.3861

260.4239, 0.3777,

 0.3979, 0.7084,

0.3587

0.2916

312.5088, 0.3738,
0.3572

0.0000, 0.0000,
0.0000

46.0757, 0.4283,
0.3764

46.0757, 0.4283,
0.3764

40.4244, 0.4613,
0.3838

52.5441, 0.3983,
0.3673

35.5485, 0.4958,
0.3883

59.8555, 0.3718,
0.3575

31.4122, 0.5297,
0.3886

68.0428, 0.3489,
0.3476

27.9735, 0.5597,
0.3838

77.1351, 0.3294,
0.3380

25.1780, 0.5840,
0.3745

87.1599, 0.3127,
0.3290

■ 25.1764, 0.5840,
0.3745

■ 97.2688, 0.3036,
0.3290

Harmonies

Analogous

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



46.0757, 0.4162, 0.3314



46.0757, 0.4283, 0.3764



46.0757, 0.4064, 0.4153

Triad

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



46.0757, 0.4283, 0.3764



46.0757, 0.2520, 0.3720



46.0757, 0.2596, 0.2394

Complementary

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



46.0757, 0.4283, 0.3764



50.2428, 0.2367, 0.2737

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.



46.0757, 0.2231, 0.2417



46.0757, 0.4283, 0.3764



46.0757, 0.2186, 0.3127

Square

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



46.0757, 0.4283, 0.3764



46.0757, 0.3034, 0.4202



46.0757, 0.2089, 0.2662



46.0757, 0.3136, 0.2565

Rectangle

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



46.0757, 0.4283, 0.3764



46.0757, 0.3774, 0.4315



46.0757, 0.2089, 0.2662



46.0757, 0.2451, 0.2379

Sweetspot

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



46.0780, 0.4283, 0.3764



83.0996, 0.3389, 0.3428



36.0460, 0.3608, 0.2460



17.3198, 0.3431, 0.3448



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



46.0780, 0.4283, 0.3764



46.2617, 0.4620, 0.3840



72.1392, 0.3947, 0.4350



16.6852, 0.3284, 0.3375



14.0078, 0.5811, 0.3768



1.3471, 0.5560, 0.3967

Inverse Universe

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



50.2428, 0.2367, 0.2737



51.4514, 0.2235, 0.2600



28.4713, 0.2212, 0.1933



16.9213, 0.2980, 0.3203



16.3664, 0.1909, 0.2074



1.5489, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 46.0757, 0.4283, 0.3764 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.0757, 0.4283, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

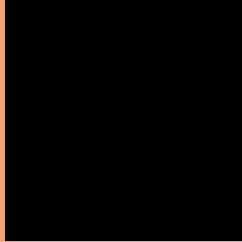
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.0757, 0.4283, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 46.0757, 0.4283, 0.3764.



This preview shows how white text looks on a background with the Yxy color 46.0757, 0.4283, 0.3764.

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

46.0757, 0.4283, 0.3764

Protanopia

46.1822, 0.3702, 0.3989

Deuteranopia

46.1006, 0.4035, 0.3948



Tritanopia

46.1742, 0.3876, 0.3171

Trichromacy



Original Color

46.0757, 0.4283, 0.3764

Protanomaly

45.5762, 0.3912, 0.3906

Deuteranomaly

45.8766, 0.4125, 0.3872

Tritanomaly

46.0853, 0.4031, 0.3381

Monochromacy



Original Color

46.0757, 0.4283, 0.3764

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.3319, 0.3513, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0757, 0.4283, 0.3764 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(240, 163, 120)` looks like.

```
.text, #text, p{  
    color:rgb(240, 163, 120)  
}
```

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(240, 163, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 163, 120) }
```

Border

The CSS property to change the border of an element to Yxy 46.0757, 0.4283, 0.3764 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(240, 163, 120) }
```

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

```
.border{ border-color:rgb(240, 163, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 163, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 163, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 163, 120);  
box-shadow:4px 4px 4px 4px rgb(240, 163,  
120) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0757, 0.4283, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 163, 120) }
```

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

```
.background{ background-color: rgb(240,  
163, 120) }
```

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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