

Converting Colors

$Y_{xy}(47.1725, 0.4376, 0.3602)$

Have a look what the booklet for
Yxy(47.1725, 0.4376, 0.3602)
contains.

Yxy(47.2722, 0.4374, 0.3604)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(47.2722, 0.4374, 0.3604)

Conversions

Conversions Part 1

Format	Color
Hex	FF9E80
RGB	255, 158, 128
RGB Percent	100%, 62%, 50%
CMY	0.0000, 0.3804, 0.4980
CMYK	0.00, 0.38, 0.50, 0.00
HSL	14°, 100%, 75%
HSV	14°, 50%, 100%
XYZ	57.3720, 47.2722, 26.5218
YIQ	183.5830, 67.4420, 11.2340

Conversions

Conversions Part 2

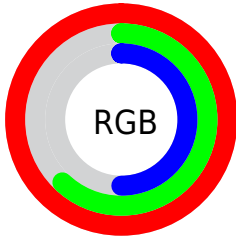
Format	Color
R_{YB}	255, 167, 128
Decimal	16752256
CIE _{Lab}	74.36, 33.06, 30.89
CIE _{LCh}	74, 45.252, 43.058
Yxy	47.2722, 0.4374, 0.3604
Android (android.graphics.Color)	4294942336 (0xFFFF9E80)
YUV	183.5830, -27.4024, 62.6327
Hunter-Lab	68.7548, 28.6273, 25.2576

Details

The Yxy color **47.2722, 0.4374, 0.3604** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **65.6648, 0.2405, 0.2932**, and the grayscale version is **47.8120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1847, 0.3681, 0.3621**, and **22.2553, 0.4730, 0.3638** is the 20% darker color. If you saturate the color by 10%, you get **40.5530, 0.4754, 0.3649**, and if you desaturate by 10%, it is **55.2056, 0.4035, 0.3545**.

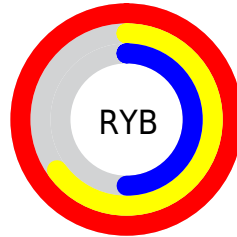
Distribution



Red (100%)

Green (62%)

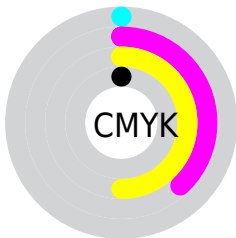
Blue (50%)



Red (100%)

Yellow (65%)

Blue (50%)

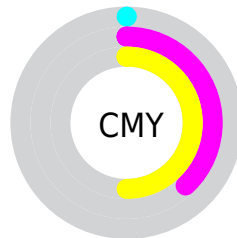


Cyan (0%)

Magenta (38%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (38%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2722, 0.4374, 0.3604 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 47.2722, 0.4374, 0.3604 by changing the saturation by 10% instead.


 47.2722, 0.4374,
0.3604

 47.2722, 0.4374,
0.3604


375.9000, 0.3749,
0.3481


 33.2509, 0.4527,
0.3623


 86.1198, 0.4149,
0.3568

 22.3187, 0.4719,
0.3640


 111.7149, 0.4063,
0.3552

 14.0913, 0.4968,
0.3651


 141.9366, 0.3991,
0.3537

 8.1842, 0.5297,
0.3643

177.1695, 0.3929,
0.3524

 4.2130, 0.5749,
0.3589

217.7979, 0.3875,
0.3512

 1.7934, 0.6513,
0.3487

264.2062, 0.3828,

 0.4831, 0.7353,

0.3501

0.2647

316.7787, 0.3786,
0.3491

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.2722, 0.4374,
0.3604

■ 47.2722, 0.4374,
0.3604

■ 40.5530, 0.4754,
0.3649

■ 55.2056, 0.4035,
0.3545

■ 34.9971, 0.5157,
0.3670

■ 64.4225, 0.3744,
0.3479

■ 30.5324, 0.5550,
0.3655

■ 74.9729, 0.3499,
0.3413

■ 27.0829, 0.5887,
0.3599

■ 86.9079, 0.3294,
0.3349

■ 24.5557, 0.6132,
0.3511

100.0000, 0.3127,
0.3290

■ 24.5144, 0.6137,
0.3509

Harmonies

Analogous

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



47.2722, 0.4098, 0.3126



47.2722, 0.4374, 0.3604



47.2722, 0.4269, 0.4064

Triad

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



47.2722, 0.4374, 0.3604



47.2722, 0.2667, 0.3996



47.2722, 0.2374, 0.2311

Complementary

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



47.2722, 0.4374, 0.3604



65.6648, 0.2405, 0.2932

Split Complementary

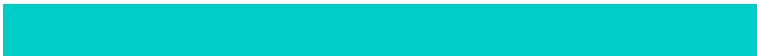
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



47.2722, 0.2076, 0.2422



47.2722, 0.4374, 0.3604



47.2722, 0.2224, 0.3355

Square

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



47.2722, 0.4374, 0.3604



47.2722, 0.3262, 0.4397



47.2722, 0.2022, 0.2776



47.2722, 0.2890, 0.2419

Rectangle

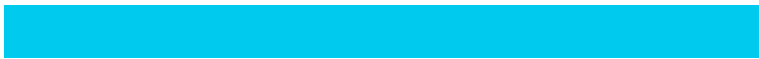
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



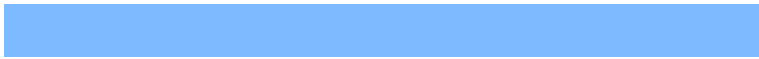
47.2722, 0.4374, 0.3604



47.2722, 0.4017, 0.4306



47.2722, 0.2022, 0.2776



47.2722, 0.2249, 0.2322

Sweetspot

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



47.2684, 0.4374, 0.3604



80.5312, 0.3396, 0.3381



42.1543, 0.3457, 0.2328



16.7065, 0.3440, 0.3395



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.



47.2684, 0.4374, 0.3604



40.4335, 0.4762, 0.3650



74.6016, 0.4020, 0.4222



18.6832, 0.3288, 0.3347



12.9980, 0.6110, 0.3531



1.4248, 0.5896, 0.3701

Inverse Universe

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



65.6648, 0.2405, 0.2932



60.6403, 0.2290, 0.2844



37.6025, 0.2249, 0.2122



19.7115, 0.2980, 0.3233



24.3575, 0.2030, 0.2506



2.5386, 0.2057, 0.2606

Previews

White Background



This preview shows how the Yxy color 47.2722, 0.4374, 0.3604 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 47.2722, 0.4374, 0.3604 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

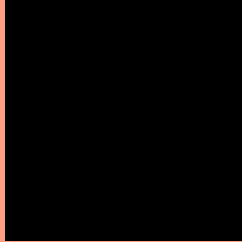
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.2722, 0.4374, 0.3604

Background



This preview shows how black text looks on a background with the Yxy color 47.2722, 0.4374, 0.3604.



This preview shows how white text looks on a background with the Yxy color 47.2722, 0.4374, 0.3604.

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

47.2722, 0.4374, 0.3604

Protanopia

47.4668, 0.3604, 0.3857

Deuteranopia

47.2007, 0.3974, 0.3888



Tritanopia

47.4193, 0.4016, 0.3187

Trichromacy



Original Color

47.2722, 0.4374, 0.3604

Protanomaly

46.7731, 0.3871, 0.3763

Deuteranomaly

47.0381, 0.4119, 0.3782

Tritanomaly

47.3039, 0.4145, 0.3335

Monochromacy



Original Color

47.2722, 0.4374, 0.3604

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

47.0419, 0.3541, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.2722, 0.4374, 0.3604 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(255, 158, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 158, 128)  
}
```

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(255, 158, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 158, 128) }
```

Border

The CSS property to change the border of an element to Yxy 47.2722, 0.4374, 0.3604 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(255, 158, 128) }
```

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

```
.border{ border-color:rgb(255, 158, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 158, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 158, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 158, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 158,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 47.2722, 0.4374, 0.3604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 158, 128) }
```

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

```
.background{ background-color: rgb(255,  
158, 128) }
```

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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