

Converting Colors

$Y_{xy}(72.9737, 0.3752, 0.3754)$

Have a look what the booklet for
Yxy(72.9737, 0.3752, 0.3754)
contains.

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Color

Yxy(72.7632, 0.3756, 0.3755)

Conversions

Conversions Part 1

Format	Color
Hex	FFD7AA
RGB	255, 215, 170
RGB Percent	100%, 84%, 67%
CMY	0.0002, 0.1568, 0.3334
CMYK	0.00, 0.16, 0.33, 0.00
HSL	32°, 100%, 83%
HSV	32°, 33%, 100%
XYZ	72.7826, 72.7632, 48.2311
YIQ	221.8300, 38.2850, -5.5150

Conversions

Conversions Part 2

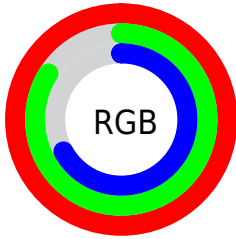
Format	Color
R _Y B	246, 255, 170
Decimal	16766890
CIE Lab	88.33, 7.72, 27.43
CIE LCh	88, 28.494, 74.279
Yxy	72.7632, 0.3756, 0.3755
Android (android.graphics.Color)	4294956970 (0xFFFFD7AA)
YUV	221.8300, -25.5522, 29.0901
Hunter-Lab	85.3013, 3.0261, 26.1872

Details

The Yxy color $72.7632, 0.3756, 0.3755$ is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be $61.8135, 0.2586, 0.2773$, and the grayscale version is $73.0828, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.2710, 0.3298, 0.3572$, and $38.3199, 0.3899, 0.3845$ is the 20% darker color. If you saturate the color by 10%, you get $66.0124, 0.3993, 0.3896$, and if you desaturate by 10%, it is $80.1548, 0.3541, 0.3611$.

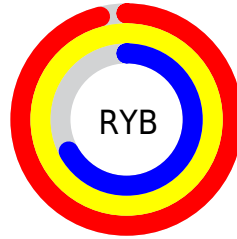
Distribution



Red (100%)

Green (84%)

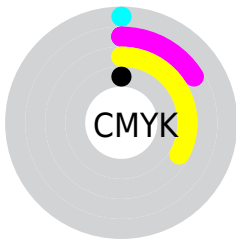
Blue (67%)



Red (96%)

Yellow (100%)

Blue (67%)

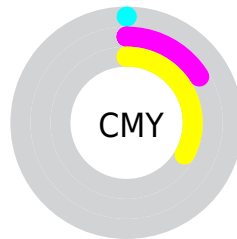


Cyan (0%)

Magenta (16%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (16%)


Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.7632, 0.3756, 0.3755 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 72.7632, 0.3756, 0.3755 by changing the saturation by 10% instead.

 72.7632, 0.3756,
0.3755

 72.7632, 0.3756,
0.3755


470.1937, 0.3465,
0.3546

 53.7824, 0.3822,
0.3800


 123.1410, 0.3655,
0.3684

 38.4277, 0.3903,
0.3855


155.3067, 0.3616,
0.3656

 26.3148, 0.4004,
0.3922


192.6362, 0.3582,
0.3632

 17.0593, 0.4134,
0.4006

235.5138, 0.3553,
0.3611

 10.2768, 0.4306,
0.4111

284.3240, 0.3527,
0.3592

 5.5829, 0.4541,
0.4242

339.4511, 0.3504,

 2.5931, 0.4987,

0.3575

0.4505

401.2795, 0.3483,
0.3560

■ 0.9232, 0.5405,
0.4595

■ 0.0000, 1.0000,
0.0000

■ 72.7632, 0.3756,
0.3755

■ 72.7632, 0.3756,
0.3755

■ 66.0124, 0.3993,
0.3896

■ 80.1548, 0.3541,
0.3611

■ 59.8718, 0.4249,
0.4025

■ 88.1962, 0.3348,
0.3469

■ 54.3231, 0.4514,
0.4131

■ 96.9091, 0.3179,
0.3333

■ 49.3426, 0.4775,
0.4200

99.9914, 0.3127,
0.3290

■ 44.9042, 0.5019,
0.4221

■ 40.9779, 0.5227,
0.4186

■ 38.6188, 0.5346,
0.4137

Harmonies

Analogous

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



72.7632, 0.3807, 0.3507



72.7632, 0.3756, 0.3755



72.7632, 0.3532, 0.3896

Triad

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



72.7632, 0.3756, 0.3755



72.7632, 0.2613, 0.3325



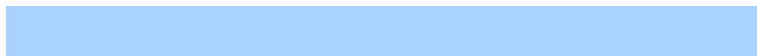
72.7632, 0.3019, 0.2789

Complementary

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



72.7632, 0.3756, 0.3755



61.8135, 0.2586, 0.2773

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.



72.7632, 0.2715, 0.2727



72.7632, 0.3756, 0.3755



72.7632, 0.2492, 0.3014

Square

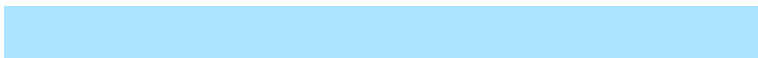
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7632, 0.3756, 0.3755



72.7632, 0.2870, 0.3648



72.7632, 0.2528, 0.2802



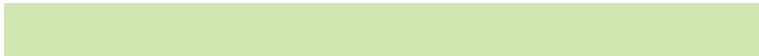
72.7632, 0.3368, 0.2967

Rectangle

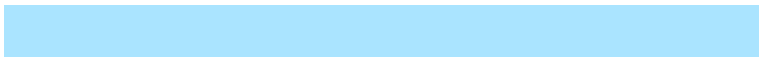
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7632, 0.3756, 0.3755



72.7632, 0.3320, 0.3895



72.7632, 0.2528, 0.2802



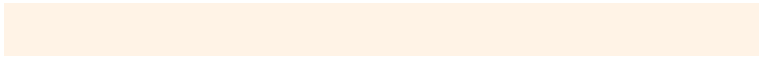
72.7632, 0.2908, 0.2754

Sweetspot

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



72.7666, 0.3756, 0.3755



91.0562, 0.3289, 0.3423



54.7015, 0.3532, 0.2868



19.2324, 0.3314, 0.3442



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.



72.7666, 0.3756, 0.3755



68.2176, 0.3912, 0.3850



95.3768, 0.3622, 0.4127



19.5812, 0.3281, 0.3416



20.4890, 0.5322, 0.4156



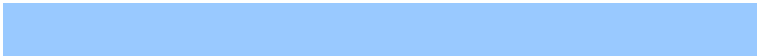
2.2138, 0.5158, 0.4286

Inverse Universe

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



61.8135, 0.2586, 0.2773



55.7348, 0.2474, 0.2649



44.6645, 0.2534, 0.2296



18.7853, 0.2979, 0.3161



11.0640, 0.1743, 0.1475



1.2938, 0.1802, 0.1688

Previews

White Background



This preview shows how the Yxy color 72.7632, 0.3756, 0.3755 looks on a white background.

Color Contrast Check

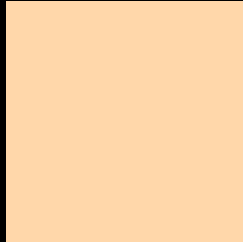
Large Text (above 18pt) WCAG AA × Fail

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 72.7632, 0.3756, 0.3755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

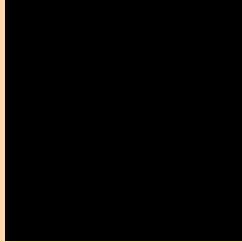
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7632, 0.3756, 0.3755

Background



This preview shows how black text looks on a background with the Yxy color 72.7632, 0.3756, 0.3755.



This preview shows how white text looks on a background with the Yxy color 72.7632, 0.3756, 0.3755.

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

72.7632, 0.3756, 0.3755

Protanopia

73.0925, 0.3566, 0.3819

Deuteranopia

72.6078, 0.3693, 0.3652



Tritanopia

72.6809, 0.3374, 0.3160

Trichromacy



Original Color

72.7632, 0.3756, 0.3755

Protanomaly

72.6963, 0.3636, 0.3790

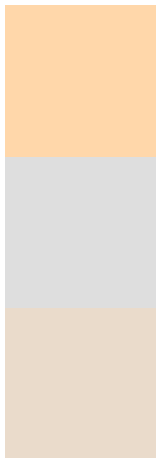
Deuteranomaly

72.4877, 0.3715, 0.3683

Tritanomaly

72.7066, 0.3511, 0.3373

Monochromacy



Original Color

72.7632, 0.3756, 0.3755

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

72.4673, 0.3346, 0.3462

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7632, 0.3756, 0.3755 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, 215, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 170)  
}
```

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, 215, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 170) }
```

Border

The CSS property to change the border of an element to Yxy 72.7632, 0.3756, 0.3755 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, 215, 170) }
```

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

```
.border{ border-color:rgb(255, 215, 170) }
```

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

Here you see how a box with a 4 pixel rgb(255, 215, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
170) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.7632, 0.3756, 0.3755$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 170) }
```

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

```
.background{ background-color: rgb(255,  
215, 170) }
```

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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