

# Converting Colors

XYZ(57.6429, 46.1236, 32.4702)

Have a look what the booklet for  
XYZ(57.6429, 46.1236, 32.4702)  
contains.

<b>XYZ(57.7421, 46.0868, 32.6404)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(57.7421, 46.0868,  
32.6404)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF9991
RGB	255, 153, 145
RGB Percent	100%, 60%, 57%
CMY	0.0000, 0.4000, 0.4314
CMYK	0.00, 0.40, 0.43, 0.00
HSL	4°, 100%, 78%
HSV	4°, 43%, 100%
XYZ	57.7421, 46.0868, 32.6404
YIQ	182.5860, 63.3600, 19.1360

# Conversions

## Conversions Part 2

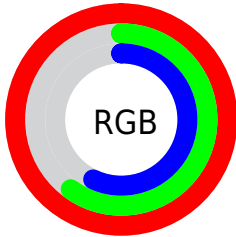
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 154, 145
Decimal	16750993
CIE Lab	73.60, 37.25, 20.63
CIE LCh	74, 42.586, 28.979
Yxy	46.0868, 0.4231, 0.3377
Android (android.graphics.Color)	4294941073 (0xFFFF9991)
YUV	182.5860, -18.5299, 63.5071
Hunter-Lab	67.8873, 33.0220, 19.0143

# Details

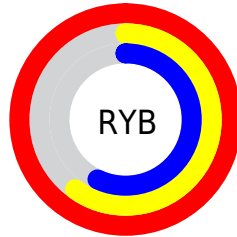
The XYZ color **57.7421, 46.0868, 32.6404** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **62.9863, 79.7579, 106.6827**, and the grayscale version is **44.8581, 47.1942, 51.3945**.

A 20% lighter version of the original color is **74.1047, 70.4953, 63.7340**, and **29.1284, 21.5427, 13.4494** is the 20% darker color. If you saturate the color by 10%, you get **52.4981, 38.4003, 22.2561**, and if you desaturate by 10%, it is **64.1965, 55.4879, 45.6060**.

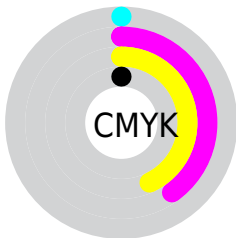
# Distribution



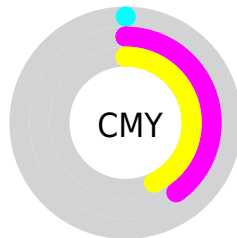
- Red (100%)
- Green (60%)
- Blue (57%)



- Red (100%)
- Yellow (60%)
- Blue (57%)



- Cyan (0%)
- Magenta (40%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (40%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.7421, 46.0868, 32.6404 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 XYZ color 57.7421, 46.0868, 32.6404 by changing the saturation by 10% instead.




 57.7421, 46.0868,  
32.6404

 57.7421, 46.0868,  
32.6404


406.1936,  
371.1575, 328.6084

 41.8438, 32.3143,  
21.5823


 100.6723, 84.3489,  
64.9232

 29.1696, 21.6017,  
13.3549

 128.4350,  
109.6073, 86.9850

 19.3541, 13.5645,  
7.5398


160.8831,  
139.4631, 113.5517

 12.0319, 7.8184,  
3.7184

198.3821,  
174.3008, 145.0419

 6.8378, 3.9790,  
1.4722

241.2973,  
214.5046, 181.8741

 3.4063, 1.6618,  
0.1971

289.9940,

 1.3721, 0.3987,

260.4591, 224.4669

0.0000

344.8377,  
312.5486, 273.2388

■ 0.2362, 0.0000,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 57.7421, 46.0868,  
32.6404

■ 57.7421, 46.0868,  
32.6404

■ 52.4981, 38.4003,  
22.2561

■ 64.1965, 55.4879,  
45.6060

■ 48.3855, 32.3184,  
14.2779

■ 71.9266, 66.6910,  
61.3070

■ 45.3217, 27.7293,  
8.5130

■ 80.9974, 79.7859,  
79.8885

■ 43.2109, 24.5041,  
4.7379

■ 91.4681, 94.8544,  
101.4846

■ 41.9399, 22.4916, 95.0500, 100.0000,  
2.6819 108.9000

■ 41.4654, 21.7109,  
2.0052

# Harmonies

## Analogous

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



59.9480, 46.0868, 50.9235



57.7421, 46.0868, 32.6404



51.7040, 46.0868, 22.3568

# Triad

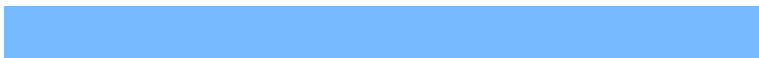
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



57.7421, 46.0868, 32.6404



32.5227, 46.0868, 31.6887



43.5465, 46.0868, 104.1598

# Complementary

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



57.7421, 46.0868, 32.6404



62.9863, 79.7579, 106.6827

# 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.



36.7530, 46.0868, 94.8077



57.7421, 46.0868, 32.6404



30.8548, 46.0868, 49.4452

# Square

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



57.7421, 46.0868, 32.6404



37.1520, 46.0868, 21.9284



32.3116, 46.0868, 73.0916



51.2063, 46.0868, 95.9418



# Rectangle

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



57.7421, 46.0868, 32.6404



46.6329, 46.0868, 19.4747



32.3116, 46.0868, 73.0916



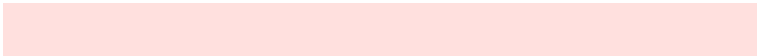
41.0921, 46.0868, 102.9301

# Sweetspot

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



57.7433, 46.0891, 32.6413



81.1310, 79.9785, 80.1632



68.2572, 48.2678, 94.2551



16.9106, 16.4630, 16.2239



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



57.7433, 46.0891, 32.6413



53.0358, 39.1913, 23.3120



68.7447, 68.0919, 36.3084



18.1155, 18.1992, 18.7023



21.7047, 11.4207, 1.0605



2.1485, 1.1823, 0.1150



# Inverse Universe

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



62.9863, 79.7579, 106.6827



58.8910, 76.9033, 106.3477



48.7238, 51.2329, 101.9286



18.4351, 20.2417, 23.1854



25.2191, 35.3478, 54.9282



2.4880, 3.5066, 5.3590



# Previews

## White Background



This preview shows how the XYZ color 57.7421, 46.0868, 32.6404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

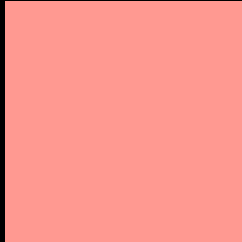
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.7421, 46.0868, 32.6404 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](#).

**XYZ 57.7421, 46.0868, 32.6404**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.7421, 46.0868, 32.6404.



This preview shows how white text looks on a background with the XYZ color 57.7421, 46.0868,

32.6404.

# 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

57.7421, 46.0868, 32.6404

### Protanopia

44.0171, 46.4981, 39.4560

### Deuteranopia

47.0951, 46.1922, 31.6331



## Tritanopia

58.8282, 46.0019, 39.9611

# Trichromacy



## Original Color

57.7421, 46.0868, 32.6404



## Protanomaly

48.1272, 45.7551, 36.8669



## Deuteranomaly

50.5136, 45.7194, 31.7536



## Tritanomaly

58.4690, 46.1168, 37.2723

# Monochromacy



## Original Color

57.7421, 46.0868, 32.6404



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

48.2085, 45.9249, 43.8597

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.7421, 46.0868, 32.6404 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, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 145)  
}
```

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, 153, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 145) }
```

## Border

The CSS property to change the border of an element to XYZ 57.7421, 46.0868, 32.6404 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, 153, 145) }
```



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

```
.border{ border-color:rgb(255, 153, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
145) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.7421, 46.0868, 32.6404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 145) }
```

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

```
.background{ background-color: rgb(255,  
153, 145) }
```

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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