

# Converting Colors

XYZ(53.0808, 42.8094, 42.3781)

Have a look what the booklet for  
XYZ(53.0808, 42.8094, 42.3781)  
contains.

<b>XYZ(52.8993, 42.6444, 42.4889)</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(52.8993, 42.6444,  
42.4889)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED96A8
RGB	237, 150, 168
RGB Percent	93%, 59%, 66%
CMY	0.0706, 0.4117, 0.3412
CMYK	0.00, 0.37, 0.29, 0.07
HSL	348°, 71%, 76%
HSV	348°, 37%, 93%
XYZ	52.8993, 42.6444, 42.4889
YIQ	178.0650, 46.0740, 24.0420

# Conversions

## Conversions Part 2

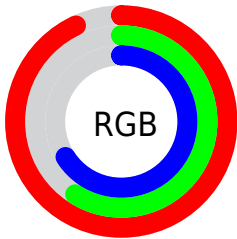
Format	Color
<a href="#">RYB</a>	<a href="#">237, 150, 168</a>
Decimal	<a href="#">15570600</a>
CIELab	<a href="#">71.31, 34.93, 4.39</a>
CIELCh	<a href="#">71, 35.208, 7.160</a>
Yxy	<a href="#">42.6444, 0.3832, 0.3089</a>
Android (android.graphics.Color)	<a href="#">4293760680</a> ( <a href="#">0xFFED96A8</a> )
YUV	<a href="#">178.0650, -4.9620, 51.6860</a>
Hunter-Lab	<a href="#">65.3027, 30.3166, 7.1351</a>

# Details

The XYZ color **52.8993, 42.6444, 42.4889** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **55.6500, 72.1679, 78.0183**, and the grayscale version is **42.3608, 44.5668, 48.5333**.

A 20% lighter version of the original color is **76.3906, 70.2504, 79.3455**, and **26.1105, 19.5800, 18.9261** is the 20% darker color. If you saturate the color by 10%, you get **47.8663, 35.1811, 32.7868**, and if you desaturate by 10%, it is **58.9526, 51.7425, 53.7810**.

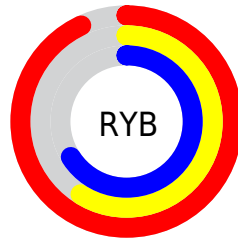
# Distribution



Red (93%)

Green (59%)

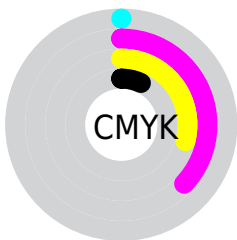
Blue (66%)



Red (93%)

Yellow (59%)

Blue (66%)

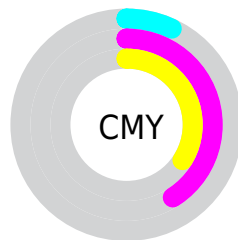


Cyan (0%)

Magenta (37%)

Yellow (29%)

Black (7%)



Cyan (7%)

Magenta (41%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8993, 42.6444, 42.4889 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 52.8993, 42.6444, 42.4889 by changing the saturation by 10% instead.





 52.8993, 42.6444,  
42.4889


 52.8993, 42.6444,  
42.4889


388.1658,  
357.1473, 372.3649

 37.9495, 29.6062,  
29.1559


 93.6226, 79.1740,  
80.2171

 26.1206, 19.5399,  
18.9522


 120.1268,  
103.4341, 105.4493

 17.0470, 12.0610,  
11.4593

151.2132,  
132.2037, 135.4851

 10.3635, 6.7853,  
6.2586

187.2472,  
165.8672, 170.7428

 5.7048, 3.3282,  
2.9316

228.5941,  
204.8089, 211.6411

 2.7053, 1.3054,  
1.0598

275.6193,

 0.9999, 0.1454,

249.4132, 258.5986

0.0000

328.6881,  
300.0646, 312.0336

■ 0.0000, 0.0000,  
0.0000

■ 52.8993, 42.6444,  
42.4889

■ 52.8993, 42.6444,  
42.4889

■ 47.8663, 35.1811,  
32.7868

■ 58.9526, 51.7425,  
53.7810

■ 43.7929, 29.2495,  
24.5998

■ 66.0754, 62.5585,  
66.7282

■ 40.6172, 24.7441,  
17.8504

■ 74.3177, 75.1769,  
81.3951

■ 38.2685, 21.5435,  
12.4533

■ 83.7256, 89.6749,  
97.8420

■ 36.6649, 19.5058,  
8.3134

■ 88.7351, 96.7446,  
108.6045

■ 35.7046, 18.4519,  
5.3213

■ 35.4800, 18.2265,  
4.5564

# Harmonies

## Analogous

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



51.9458, 42.6444, 60.2610



52.8993, 42.6444, 42.4889



50.2908, 42.6444, 29.4025

# Triad

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



52.8993, 42.6444, 42.4889



34.0418, 42.6444, 25.0074



36.2751, 42.6444, 83.3938

# Complementary

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



52.8993, 42.6444, 42.4889



55.6500, 72.1679, 78.0183

# 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.



32.1255, 42.6444, 69.0229



52.8993, 42.6444, 42.4889



30.9264, 42.6444, 34.9000

# Square

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



52.8993, 42.6444, 42.4889



39.1308, 42.6444, 21.0285



30.2605, 42.6444, 50.6129



41.9667, 42.6444, 86.8391



# Rectangle

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



52.8993, 42.6444, 42.4889



47.0194, 42.6444, 24.0864



30.2605, 42.6444, 50.6129



34.6710, 42.6444, 79.5364

# Sweetspot

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



52.9005, 42.6465, 42.4897



83.3680, 82.0399, 88.3466



55.1522, 42.8579, 85.4865



17.5607, 17.1260, 18.4054



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.



52.9005, 42.6465, 42.4897



57.9162, 43.5984, 41.4434



55.6935, 50.7324, 35.7138



15.1929, 15.1050, 16.3011



19.4088, 9.9662, 2.6883



1.5581, 0.7962, 0.3905



# Inverse Universe

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



52.9005, 42.6465, 42.4897



57.9162, 43.5984, 41.4434



51.4965, 59.8622, 88.9614



15.1929, 15.1050, 16.3011



19.4088, 9.9662, 2.6883



1.5581, 0.7962, 0.3905



# Previews

## White Background



This preview shows how the XYZ color 52.8993, 42.6444, 42.4889 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

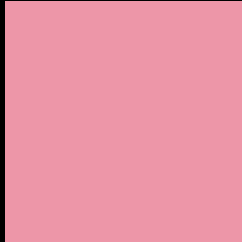
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.8993, 42.6444, 42.4889 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

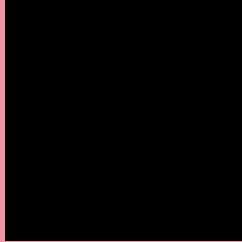
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 52.8993, 42.6444, 42.4889**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.8993, 42.6444, 42.4889.



This preview shows how white text looks on a background with the XYZ color 52.8993, 42.6444,

42.4889.

# 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

52.8993, 42.6444, 42.4889

### Protanopia

41.4840, 42.8796, 50.3461

### Deuteranopia

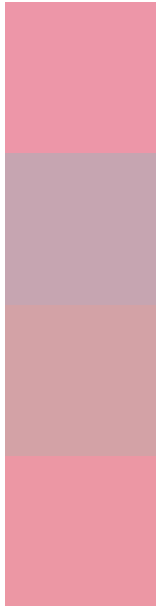
43.7444, 42.8283, 41.5584



## Tritanopia

52.1803, 42.5747, 39.6500

# Trichromacy



## Original Color

52.8993, 42.6444, 42.4889

## Protanomaly

44.6796, 42.0904, 47.3644

## Deuteranomaly

46.6672, 42.4427, 41.8090

## Tritanomaly

52.3595, 42.6464, 40.5939

# Monochromacy



## Original Color

52.8993, 42.6444, 42.4889

## Achromatopsia

42.3164, 44.5201, 48.4824

## Achromatomaly

45.1958, 43.2034, 46.0014

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8993, 42.6444, 42.4889 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(237, 150, 168)` looks like.

```
.text, #text, p{  
    color:rgb(237, 150, 168)  
}
```

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(237, 150, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 150, 168) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8993, 42.6444, 42.4889 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(237, 150, 168) }
```



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

```
.border{ border-color:rgb(237, 150, 168) }
```

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

Here you see how a box with a 4 pixel rgb(237, 150, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 150, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 150, 168);  
box-shadow:4px 4px 4px 4px rgb(237, 150,  
168) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8993, 42.6444, 42.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 150, 168) }
```

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

```
.background{ background-color: rgb(237,  
150, 168) }
```

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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