

Converting Colors

XYZ(49.8949, 43.3684, 20.9318)

Have a look what the booklet for
XYZ(49.8949, 43.3684, 20.9318)
contains.

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Color

**XYZ(49.9067, 43.2883,
21.0543)**

Conversions

Conversions Part 1

Format	Color
Hex	ED9D70
RGB	237, 157, 112
RGB Percent	93%, 62%, 44%
CMY	0.0706, 0.3843, 0.5608
CMYK	0.00, 0.34, 0.53, 0.07
HSL	22°, 78%, 68%
HSV	22°, 53%, 93%
XYZ	49.9067, 43.2883, 21.0543
YIQ	175.7900, 62.1250, 2.9650

Conversions

Conversions Part 2

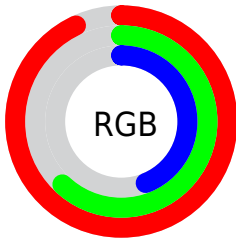
Format	Color
RYB	237, 182, 112
Decimal	15572336
CIELab	71.75, 25.14, 35.64
CIElCh	72, 43.616, 54.799
Yxy	43.2883, 0.4368, 0.3789
Android (android.graphics.Color)	4293762416 (0xFFED9D70)
YUV	175.7900, -31.4485, 53.6812
Hunter-Lab	65.7938, 20.2586, 27.0826

Details

The XYZ color **49.9067, 43.2883, 21.0543** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **40.8169, 47.2563, 87.0908**, and the grayscale version is **41.2944, 43.4449, 47.3115**.

A 20% lighter version of the original color is **71.4843, 71.0273, 45.0640**, and **24.3089, 19.9270, 7.2677** is the 20% darker color. If you saturate the color by 10%, you get **46.3481, 38.0123, 14.1924**, and if you desaturate by 10%, it is **54.1333, 49.3446, 29.8528**.

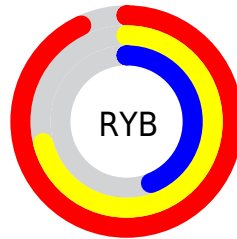
Distribution



Red (93%)

Green (62%)

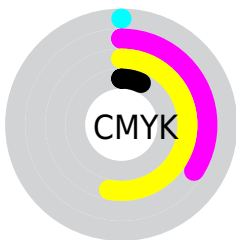
Blue (44%)



Red (93%)

Yellow (71%)

Blue (44%)

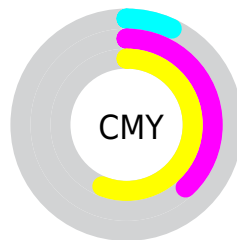


Cyan (0%)

Magenta (34%)

Yellow (53%)

Black (7%)



Cyan (7%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9067, 43.2883, 21.0543 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 49.9067, 43.2883, 21.0543 by changing the saturation by 10% instead.


 49.9067, 43.2883,
21.0543


 49.9067, 43.2883,
21.0543


376.7590,
359.7961, 270.3574


 35.5568, 30.1114,
12.9721


 89.2293, 80.1457,
46.0599


 24.2606, 19.9231,
7.2788


 114.9326,
104.5950, 63.8203

 15.6528, 12.3392,
3.5560


 145.1512,
133.5706, 85.6438

 9.3681, 6.9751,
1.3851

 180.2502,
167.4568, 111.9490

 5.0411, 3.4465,
0.1300

220.5952,
206.6381, 143.1544

 2.3064, 1.3691,
0.0000

266.5514,

 0.7979, 0.1938,

251.4988, 179.6786

0.0000

318.4842,
302.4233, 221.9401

■ 0.0000, 0.0000,
0.0000

■ 49.9067, 43.2883,
21.0543

■ 49.9067, 43.2883,
21.0543

■ 46.3481, 38.0123,
14.1924

■ 54.1333, 49.3446,
29.8528

■ 43.4148, 33.4758,
9.1140

■ 59.0605, 56.2068,
40.7200

■ 41.0633, 29.6434,
5.6463

■ 64.7225, 63.9071,
53.7792

■ 39.2416, 26.4732,
3.5802

■ 71.1502, 72.4738,
69.1431

■ 38.1996, 24.5536,
2.7260

■ 78.3724, 81.9338,
86.9167

■ 86.4166, 92.3129,
107.1986

■ 88.7350, 96.7445,
108.6045

Harmonies

Analogous

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



55.4652, 43.2883, 32.0196



49.9067, 43.2883, 21.0543



42.4480, 43.2883, 17.0770

Triad

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



49.9067, 43.2883, 21.0543



28.5347, 43.2883, 43.5341



47.4078, 43.2883, 94.6681

Complementary

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



49.9067, 43.2883, 21.0543



40.8169, 47.2563, 87.0908

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.



39.8674, 43.2883, 100.5010



49.9067, 43.2883, 21.0543



29.5285, 43.2883, 66.3825

Square

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



49.9067, 43.2883, 21.0543



30.5749, 43.2883, 27.3239



33.4726, 43.2883, 88.9067



53.9055, 43.2883, 74.7534

Rectangle

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



49.9067, 43.2883, 21.0543



37.6145, 43.2883, 17.6861



33.4726, 43.2883, 88.9067



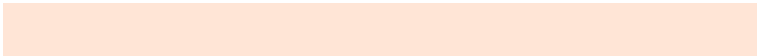
44.8881, 43.2883, 98.5515

Sweetspot

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



49.9078, 43.2905, 21.0551



81.3920, 82.1029, 75.3100



50.3729, 33.4546, 54.4011



17.0829, 17.1230, 15.3092



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.



49.9078, 43.2905, 21.0551



54.5354, 44.5930, 16.4052



62.9860, 69.4470, 25.4146



15.5094, 15.9417, 15.7783



20.9688, 13.6318, 1.5260



1.7349, 1.2472, 0.1493

Inverse Universe

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



40.8169, 47.2563, 87.0908



42.7045, 49.6230, 101.9352



30.0512, 25.7251, 83.5022



15.0351, 16.1567, 19.2484



14.5754, 15.7977, 46.0240



1.2351, 1.4217, 3.6442

Previews

White Background



This preview shows how the XYZ color 49.9067, 43.2883, 21.0543 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 49.9067, 43.2883, 21.0543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

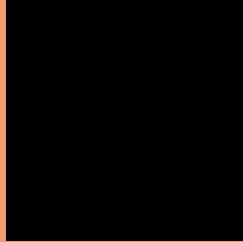
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9067, 43.2883, 21.0543

Background



This preview shows how black text looks on a background with the XYZ color 49.9067, 43.2883, 21.0543.



This preview shows how white text looks on a background with the XYZ color 49.9067, 43.2883, 21.0543.

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

49.9067, 43.2883, 21.0543

Protanopia

40.4014, 43.4831, 24.0330

Deuteranopia

44.2577, 43.2772, 20.7726



Tritanopia

53.8638, 43.4426, 39.7288

Trichromacy



Original Color

49.9067, 43.2883, 21.0543

Protanomaly

43.4113, 43.0702, 22.8550

Deuteranomaly

46.2689, 43.2282, 20.9442

Tritanomaly

52.3605, 43.3213, 31.9877

Monochromacy



Original Color

49.9067, 43.2883, 21.0543

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.2264, 42.6816, 36.0971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9067, 43.2883, 21.0543 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, 157, 112)` looks like.

```
.text, #text, p{  
    color:rgb(237, 157, 112)  
}
```

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, 157, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 157, 112) }
```

Border

The CSS property to change the border of an element to XYZ 49.9067, 43.2883, 21.0543 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, 157, 112) }
```


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

```
.border{ border-color:rgb(237, 157, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 157, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 157, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 157, 112);  
box-shadow:4px 4px 4px 4px rgb(237, 157,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9067, 43.2883, 21.0543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 157, 112) }
```

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

```
.background{ background-color: rgb(237,  
157, 112) }
```

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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