

Converting Colors

XYZ(49.7134, 44.5736, 28.5376)

Have a look what the booklet for
XYZ(49.7134, 44.5736, 28.5376)
contains.

XYZ(49.7134, 44.5736, 28.5376)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.7134, 44.5736,
28.5376)**

Conversions

Conversions Part 1

Format	Color
Hex	E5A386
RGB	229, 163, 134
RGB Percent	90%, 64%, 53%
CMY	0.1020, 0.3608, 0.4745
CMYK	0.00, 0.29, 0.41, 0.10
HSL	18°, 65%, 71%
HSV	18°, 41%, 90%
XYZ	49.7134, 44.5736, 28.5376
YIQ	179.4280, 48.6450, 4.9730

Conversions

Conversions Part 2

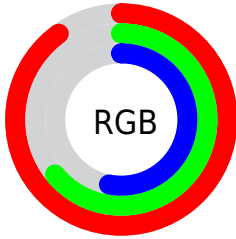
Format	Color
R _Y B	229, 176, 134
Decimal	15049606
CIE Lab	72.61, 20.91, 24.78
CIE LCh	73, 32.429, 49.841
Yxy	44.5736, 0.4048, 0.3629
Android (android.graphics.Color)	4293239686 (0xFFE5A386)
YUV	179.4280, -22.3960, 43.4746
Hunter-Lab	66.7635, 16.0786, 21.3913

Details

The XYZ color **49.7134, 44.5736, 28.5376** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **44.6279, 52.0321, 81.8199**, and the grayscale version is **43.1748, 45.4233, 49.4659**.

A 20% lighter version of the original color is **75.2810, 74.9907, 57.5206**, and **24.0793, 20.6669, 11.1075** is the 20% darker color. If you saturate the color by 10%, you get **45.6368, 38.7057, 20.1338**, and if you desaturate by 10%, it is **54.4934, 51.2948, 38.8829**.

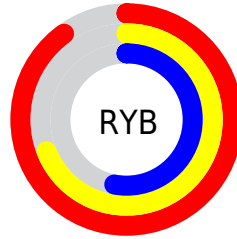
Distribution



Red (90%)

Green (64%)

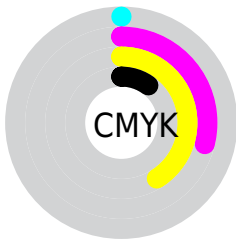
Blue (53%)



Red (90%)

Yellow (69%)

Blue (53%)

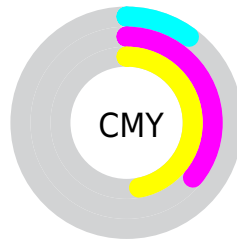


Cyan (0%)

Magenta (29%)

Yellow (41%)

Black (10%)



Cyan (10%)

Magenta (36%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7134, 44.5736, 28.5376 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 49.7134, 44.5736, 28.5376 by changing the saturation by 10% instead.


 49.7134, 44.5736,
28.5376


 49.7134, 44.5736,
28.5376


376.0146,
365.0439, 309.0193


 35.4026, 31.1217,
18.4887


 88.9445, 82.0802,
58.3750

 24.1411, 20.6915,
11.1284


 114.5954,
106.9037, 79.0006

 15.5636, 12.8987,
6.0380


 144.7571,
136.2864, 103.9889

 9.3048, 7.3588,
2.7990

179.7950,
170.6129, 133.7584

 4.9992, 3.6875,
0.9930

220.0743,
210.2675, 168.7277

 2.2816, 1.5003,
0.0000

265.9604,

 0.7852, 0.2890,

255.6346, 209.3152

0.0000

317.8188,
307.0986, 255.9396

0.0000, 0.0000,
0.0000

49.7134, 44.5736,
28.5376

49.7134, 44.5736,
28.5376

45.6368, 38.7057,
20.1338

54.4934, 51.2948,
38.8829

42.2247, 33.6494,
13.5458

60.0065, 58.8959,
51.2793

39.4388, 29.3688,
8.6370

66.2845, 67.4105,
65.8314

37.2355, 25.8225,
5.2501

73.3564, 76.8681,
82.6358

35.5639, 22.9646,
3.1970

81.2496, 87.2971,
101.7830

■ 34.4981, 21.0280,
2.2406

■ 86.1231, 95.3980,
108.4822

Harmonies

Analogous

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



53.3490, 44.5736, 38.7808



49.7134, 44.5736, 28.5376



44.2979, 44.5736, 24.0253

Triad

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



49.7134, 44.5736, 28.5376



32.6067, 44.5736, 43.2835



46.1352, 44.5736, 83.7951

Complementary

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



49.7134, 44.5736, 28.5376



44.6279, 52.0321, 81.8199

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.



40.4909, 44.5736, 85.7533



49.7134, 44.5736, 28.5376



33.0042, 44.5736, 59.7968

Square

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



49.7134, 44.5736, 28.5376



34.6420, 44.5736, 31.2056



35.7805, 44.5736, 76.1922



51.1601, 44.5736, 71.3175

Rectangle

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



49.7134, 44.5736, 28.5376



40.5481, 44.5736, 24.0066



35.7805, 44.5736, 76.1922



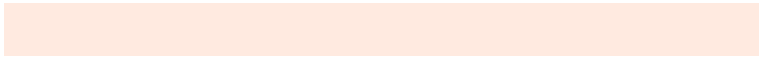
44.2372, 44.5736, 85.7968

Sweetspot

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



49.7145, 44.5758, 28.5385



84.0985, 85.3627, 82.8500



51.3223, 37.9022, 59.5616



17.7646, 17.9530, 17.1811



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.



49.7145, 44.5758, 28.5385



58.8175, 50.2335, 26.8460



59.6630, 64.4727, 31.8546



14.7340, 15.0820, 15.0390



19.8175, 12.2092, 1.3121



1.5442, 1.0618, 0.1236

Inverse Universe

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



44.6279, 52.0321, 81.8199



51.4515, 60.9193, 103.6546



35.3660, 33.5084, 78.7326



14.4166, 15.5547, 18.3868



15.2940, 17.6501, 44.9839



1.2113, 1.4665, 3.3512

Previews

White Background



This preview shows how the XYZ color 49.7134, 44.5736, 28.5376 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 49.7134, 44.5736, 28.5376 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

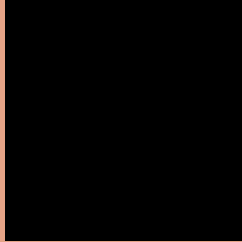
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7134, 44.5736, 28.5376

Background



This preview shows how black text looks on a background with the XYZ color 49.7134, 44.5736, 28.5376.



This preview shows how white text looks on a background with the XYZ color 49.7134, 44.5736,

28.5376.

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

49.7134, 44.5736, 28.5376

Protanopia

41.9633, 44.7110, 31.6177

Deuteranopia

45.5917, 44.6406, 28.0434



Tritanopia

52.7613, 44.5118, 43.8410

Trichromacy



Original Color

49.7134, 44.5736, 28.5376

Protanomaly

44.4329, 44.5595, 30.3037

Deuteranomaly

47.1497, 44.6041, 28.3147

Tritanomaly

51.6116, 44.5649, 37.7799

Monochromacy



Original Color

49.7134, 44.5736, 28.5376

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

44.5804, 44.4018, 40.8711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7134, 44.5736, 28.5376 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(229, 163, 134)` looks like.

```
.text, #text, p{  
    color:rgb(229, 163, 134)  
}
```

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(229, 163, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 163, 134) }
```

Border

The CSS property to change the border of an element to XYZ 49.7134, 44.5736, 28.5376 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(229, 163, 134) }
```


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

```
.border{ border-color:rgb(229, 163, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 163, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 163, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 163, 134);  
box-shadow:4px 4px 4px 4px rgb(229, 163,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7134, 44.5736, 28.5376 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 163, 134) }
```

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

```
.background{ background-color: rgb(229,  
163, 134) }
```

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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