

Converting Colors

XYZ(48.9700, 44.4739, 21.5840)

Have a look what the booklet for
XYZ(48.9700, 44.4739, 21.5840)
contains.

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Color

**XYZ(49.0328, 44.3756,
21.6038)**

Conversions

Conversions Part 1

Format	Color
Hex	E7A371
RGB	231, 163, 113
RGB Percent	91%, 64%, 44%
CMY	0.0941, 0.3608, 0.5569
CMYK	0.00, 0.29, 0.51, 0.09
HSL	25°, 71%, 67%
HSV	25°, 51%, 91%
XYZ	49.0328, 44.3756, 21.6038
YIQ	177.6320, 56.5780, -1.1340

Conversions

Conversions Part 2

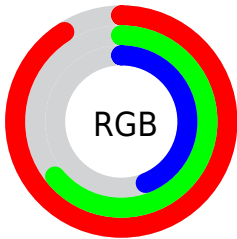
Format	Color
R_{YB}	231, 200, 113
Decimal	15180657
CIE _{Lab}	72.48, 19.63, 35.90
CIE _{LCh}	72, 40.917, 61.326
Yxy	44.3756, 0.4263, 0.3858
Android (android.graphics.Color)	4293370737 (0xFFE7A371)
YUV	177.6320, -31.8636, 46.8037
Hunter-Lab	66.6150, 14.8108, 27.4023

Details

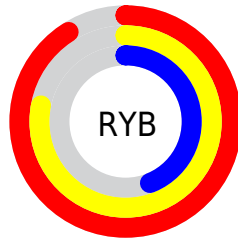
The XYZ color **49.0328, 44.3756, 21.6038** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.7568, 42.3259, 81.7806**, and the grayscale version is **42.2655, 44.4666, 48.4241**.

A 20% lighter version of the original color is **73.1029, 74.1194, 46.0508**, and **23.6231, 20.5097, 7.5642** is the 20% darker color. If you saturate the color by 10%, you get **45.6539, 39.4410, 14.8576**, and if you desaturate by 10%, it is **52.9936, 49.9445, 30.1776**.

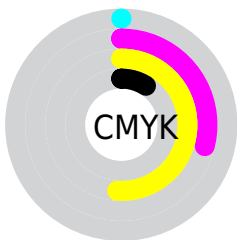
Distribution



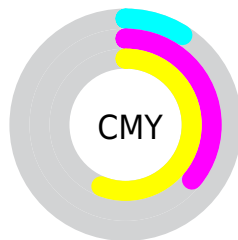
- Red (91%)
- Green (64%)
- Blue (44%)



- Red (91%)
- Yellow (78%)
- Blue (44%)



- Cyan (0%)
- Magenta (29%)
- Yellow (51%)
- Black (9%)





- Cyan (9%)
- Magenta (36%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.0328, 44.3756, 21.6038 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 49.0328, 44.3756, 21.6038 by changing the saturation by 10% instead.


 49.0328, 44.3756,
21.6038

 49.0328, 44.3756,
21.6038


373.3862,
364.2388, 273.3559

 34.8601, 30.9659,
13.3705


 87.9406, 81.7826,
46.9840


 23.7212, 20.5729,
7.5505

 113.4064,
106.5488, 64.9681

 15.2505, 12.8122,
3.7251


 143.3674,
135.8691, 87.0395

 9.0829, 7.2993,
1.4758

 178.1888,
170.1282, 113.6169

 4.8528, 3.6500,
0.1998

218.2361,
209.7103, 145.1186

 2.1950, 1.4798,
0.0000

263.8745,

 0.7401, 0.2744,

254.9998, 181.9633

0.0000

315.4694,
306.3812, 224.5696

0.0000, 0.0000,
0.0000

49.0328, 44.3756,
21.6038

49.0328, 44.3756,
21.6038

45.6539, 39.4410,
14.8576

52.9936, 49.9445,
30.1776

42.8205, 35.1087,
9.7988

57.5633, 56.1649,
40.6996

40.4960, 31.3528,
6.2709

62.7709, 63.0616,
53.2832

38.6370, 28.1424,
4.0859

68.6426, 70.6556,
68.0320

37.3124, 25.7041,
2.9948

75.2027, 78.9672,
85.0428

■ 82.4743, 88.0157,
104.4064

■ 86.7648, 95.7288,
108.5123

Harmonies

Analogous

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



54.8696, 44.3756, 30.7917



49.0328, 44.3756, 21.6038



41.8644, 44.3756, 18.9395

Triad

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



49.0328, 44.3756, 21.6038



30.0094, 44.3756, 49.2225



49.6366, 44.3756, 89.7203

Complementary

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



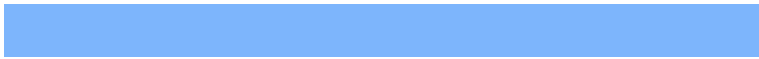
49.0328, 44.3756, 21.6038



37.7568, 42.3259, 81.7806

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.



42.4925, 44.3756, 98.5410



49.0328, 44.3756, 21.6038



31.6114, 44.3756, 71.4807

Square

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



49.0328, 44.3756, 21.6038



31.3530, 44.3756, 31.9598



35.9932, 44.3756, 91.0859



55.2447, 44.3756, 69.4772

Rectangle

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



49.0328, 44.3756, 21.6038



37.4308, 44.3756, 20.3956



35.9932, 44.3756, 91.0859



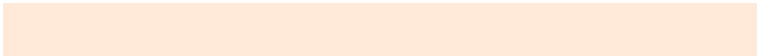
47.3098, 44.3756, 94.3378

Sweetspot

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



49.0339, 44.3778, 21.6047



82.8593, 84.5116, 77.4205



47.2865, 32.1700, 47.8831



17.4022, 17.6581, 15.7348



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.



49.0339, 44.3778, 21.6047



57.0354, 49.2129, 18.4104



61.8359, 69.9819, 25.8720



14.8765, 15.3669, 15.0865



21.0350, 14.6442, 1.7179



1.6448, 1.2629, 0.1571

Inverse Universe

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



37.7568, 42.3259, 81.7806



41.4600, 46.3283, 101.3648



28.2965, 23.4053, 78.6272



14.2690, 15.2594, 18.3376



12.9221, 12.9063, 44.1933



1.0465, 1.1369, 3.2962

Previews

White Background



This preview shows how the XYZ color 49.0328, 44.3756, 21.6038 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 49.0328, 44.3756, 21.6038 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 49.0328, 44.3756, 21.6038

Background



This preview shows how black text looks on a background with the XYZ color 49.0328, 44.3756, 21.6038.



This preview shows how white text looks on a background with the XYZ color 49.0328, 44.3756,

21.6038.

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

49.0328, 44.3756, 21.6038

Protanopia

41.2425, 44.5102, 23.8704

Deuteranopia

45.3237, 44.3664, 21.5040



Tritanopia

53.5484, 44.4370, 42.8007

Trichromacy



Original Color

49.0328, 44.3756, 21.6038

Protanomaly

43.8866, 44.4369, 23.0937

Deuteranomaly

46.5621, 44.1794, 21.4026

Tritanomaly

51.6751, 44.4268, 33.8686

Monochromacy



Original Color

49.0328, 44.3756, 21.6038

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

43.8023, 44.0906, 36.7735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.0328, 44.3756, 21.6038 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(231, 163, 113)` looks like.

```
.text, #text, p{  
    color:rgb(231, 163, 113)  
}
```

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(231, 163, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 163, 113) }
```

Border

The CSS property to change the border of an element to XYZ 49.0328, 44.3756, 21.6038 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(231, 163, 113) }
```


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

```
.border{ border-color:rgb(231, 163, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 163, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 163, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 163, 113);  
box-shadow:4px 4px 4px 4px rgb(231, 163,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 49.0328, 44.3756, 21.6038 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 163, 113) }
```

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

```
.background{ background-color: rgb(231,  
163, 113) }
```

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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