

Converting Colors

XYZ(44.8085, 42.1932, 17.3678)

Have a look what the booklet for
XYZ(44.8085, 42.1932, 17.3678)
contains.

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Color

**XYZ(44.8170, 42.2919,
17.3563)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA362
RGB	220, 163, 98
RGB Percent	86%, 64%, 38%
CMY	0.1373, 0.3608, 0.6157
CMYK	0.00, 0.26, 0.55, 0.14
HSL	32°, 64%, 62%
HSV	32°, 55%, 86%
XYZ	44.8170, 42.2919, 17.3563
YIQ	172.6330, 54.8370, -8.1310

Conversions

Conversions Part 2

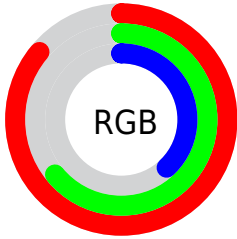
Format	Color
R_{YB}	205, 220, 98
Decimal	14459746
CIE Lab	71.07, 13.86, 41.68
CIE LCh	71, 43.926, 71.607
Yxy	42.2919, 0.4290, 0.4048
Android (android.graphics.Color)	4292649826 (0xFFDCA362)
YUV	172.6330, -36.7941, 41.5409
Hunter-Lab	65.0322, 9.2070, 29.6988

Details

The XYZ color **44.8170, 42.2919, 17.3563** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **29.6760, 31.2052, 72.1689**, and the grayscale version is **39.6963, 41.7636, 45.4806**.

A 20% lighter version of the original color is **71.8164, 73.6048, 39.2762**, and **21.1391, 19.2720, 5.5114** is the 20% darker color. If you saturate the color by 10%, you get **42.1664, 38.4310, 12.0333**, and if you desaturate by 10%, it is **47.9034, 46.5677, 24.2336**.

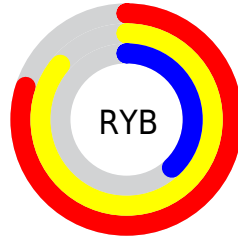
Distribution



Red (86%)

Green (64%)

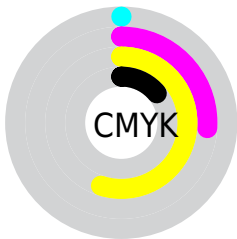
Blue (38%)



Red (80%)

Yellow (86%)

Blue (38%)

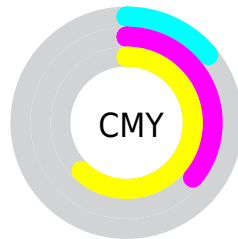


Cyan (0%)

Magenta (26%)

Yellow (55%)

Black (14%)



Cyan (14%)

Magenta (36%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.8170, 42.2919, 17.3563 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 44.8170, 42.2919, 17.3563 by changing the saturation by 10% instead.

44.8170, 42.2919,
17.3563

44.8170, 42.2919,
17.3563

356.8281,
355.6916, 249.3304

31.5140, 29.3299,
10.3242

81.6845, 78.6412,
39.7364

21.1443, 19.3305,
5.5060

105.9797,
102.7973, 55.9215

13.3426, 11.9094,
2.4832

134.6696,
131.4536, 75.9946

7.7435, 6.6820,
0.8313

168.1196,
164.9945, 100.3744

3.9817, 3.2640,
0.0000

206.6952,
203.8043, 129.4793

1.6918, 1.2711,
0.0000

250.7615,

0.4511, 0.1186,

248.2675, 163.7279

0.0000

300.6840,
298.7685, 203.5388

■ 0.0000, 0.0000,
0.0000

■ 44.8170, 42.2919,
17.3563

■ 44.8170, 42.2919,
17.3563

■ 42.1664, 38.4310,
12.0333

■ 47.9034, 46.5677,
24.2336

■ 39.9211, 34.9623,
8.1346

■ 51.4472, 51.2677,
32.7760

■ 38.0505, 31.8693,
5.5126

■ 55.4721, 56.4080,
43.0869

■ 36.5165, 29.1308,
3.9854

■ 59.9988, 62.0021,
55.2606

■ 35.9023, 27.9901,
3.5104

■ 65.0470, 68.0628,
69.3847

■ 70.6349, 74.6022,
85.5409

■ 76.7800, 81.6319,
103.8065

■ 80.2864, 87.8782,
107.3384

■ 83.3251, 93.9556,
108.3513

Harmonies

Analogous

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



51.7008, 42.2919, 24.0852



44.8170, 42.2919, 17.3563



37.4237, 42.2919, 16.7182

Triad

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



44.8170, 42.2919, 17.3563



27.8963, 42.2919, 54.6698



50.3164, 42.2919, 83.3668

Complementary

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



44.8170, 42.2919, 17.3563



29.6760, 31.2052, 72.1689

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.



43.1044, 42.2919, 98.0760



44.8170, 42.2919, 17.3563



30.5406, 42.2919, 78.4421

Square

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



44.8170, 42.2919, 17.3563



28.2366, 42.2919, 34.4359



35.9063, 42.2919, 96.0406



55.1327, 42.2919, 60.0164

Rectangle

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



44.8170, 42.2919, 17.3563



33.2446, 42.2919, 19.4895



35.9063, 42.2919, 96.0406



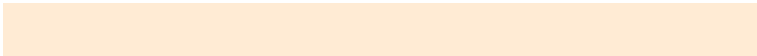
48.0573, 42.2919, 89.7651

Sweetspot

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



44.8180, 42.2940, 17.3571



82.7158, 85.2684, 74.1550



39.9659, 26.3845, 34.8700



17.4232, 17.9056, 15.1082



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.



44.8180, 42.2940, 17.3571



58.2120, 52.6341, 15.5096



56.7011, 66.9683, 21.4934



13.6276, 14.1946, 13.7472



21.1834, 16.6524, 2.0978



1.4583, 1.2508, 0.1646

Inverse Universe

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



29.6760, 31.2052, 72.1689



34.9889, 35.6504, 99.6448



22.5455, 16.6143, 69.7284



12.8376, 13.6150, 16.6035



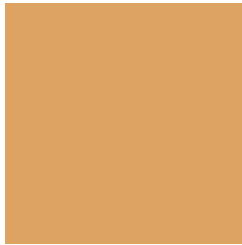
10.5246, 8.9186, 40.9052



0.7676, 0.7492, 2.6786

Previews

White Background



This preview shows how the XYZ color 44.8170, 42.2919, 17.3563 looks on a white background.

Color Contrast Check

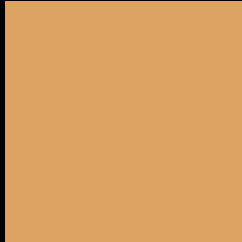
Large Text (above 18pt) WCAG AA × Fail

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 44.8170, 42.2919, 17.3563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

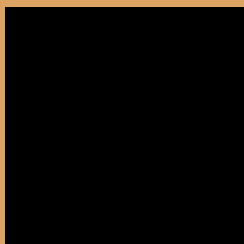
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 44.8170, 42.2919, 17.3563

Background



This preview shows how black text looks on a background with the XYZ color 44.8170, 42.2919, 17.3563.



This preview shows how white text looks on a background with the XYZ color 44.8170, 42.2919,

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

44.8170, 42.2919, 17.3563

Protanopia

39.0202, 42.3078, 18.6800

Deuteranopia

43.2345, 42.2816, 17.1917



Tritanopia

50.0604, 42.4015, 42.1050

Trichromacy



Original Color

44.8170, 42.2919, 17.3563

Protanomaly

41.0808, 42.2456, 18.3009

Deuteranomaly

43.9317, 42.3723, 17.1725

Tritanomaly

47.8498, 42.2540, 31.2251

Monochromacy



Original Color

44.8170, 42.2919, 17.3563

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.6115, 41.3984, 33.0444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.8170, 42.2919, 17.3563 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(220, 163, 98)` looks like.

```
.text, #text, p{  
    color:rgb(220, 163, 98)  
}
```

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(220, 163, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 163, 98) }
```

Border

The CSS property to change the border of an element to XYZ 44.8170, 42.2919, 17.3563 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(220, 163, 98) }
```


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

```
.border{ border-color:rgb(220, 163, 98) }
```

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

Here you see how a box with a 4 pixel rgb(220, 163, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 163, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 163, 98);  
box-shadow:4px 4px 4px 4px rgb(220, 163,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 44.8170, 42.2919, 17.3563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 163, 98) }
```

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

```
.background{ background-color: rgb(220,  
163, 98) }
```

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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