

Converting Colors

XYZ(45.9385, 44.9817, 20.7291)

Have a look what the booklet for
XYZ(45.9385, 44.9817, 20.7291)
contains.

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Color

**XYZ(45.9385, 44.9817,
20.7291)**

Conversions

Conversions Part 1

Format	Color
Hex	D9AB6D
RGB	217, 171, 109
RGB Percent	85%, 67%, 43%
CMY	0.1490, 0.3294, 0.5725
CMYK	0.00, 0.21, 0.50, 0.15
HSL	34°, 59%, 64%
HSV	34°, 50%, 85%
XYZ	45.9385, 44.9817, 20.7291
YIQ	177.6860, 47.3180, -9.5300

Conversions

Conversions Part 2

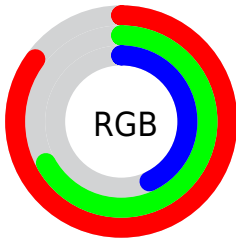
Format	Color
RYB	189, 217, 109
Decimal	14265197
CIELab	72.88, 9.29, 38.19
CIELCh	73, 39.299, 76.333
Yxy	44.9817, 0.4115, 0.4029
Android (android.graphics.Color)	4292455277 (0xFFD9AB6D)
YUV	177.6860, -33.8622, 34.4784
Hunter-Lab	67.0684, 4.8939, 28.6229

Details

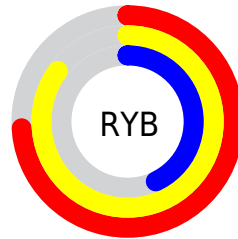
The XYZ color **45.9385, 44.9817, 20.7291** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.5519, 31.7023, 70.1543**, and the grayscale version is **42.3077, 44.5110, 48.4724**.

A 20% lighter version of the original color is **74.8694, 78.2259, 44.8713**, and **21.9096, 20.9935, 7.1723** is the 20% darker color. If you saturate the color by 10%, you get **43.2267, 41.2024, 14.7562**, and if you desaturate by 10%, it is **49.0630, 49.1248, 28.2631**.

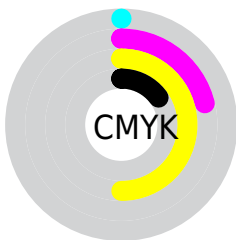
Distribution



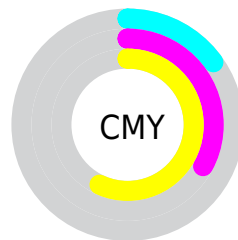
- Red (85%)
- Green (67%)
- Blue (43%)



- Red (74%)
- Yellow (85%)
- Blue (43%)



- Cyan (0%)
- Magenta (21%)
- Yellow (50%)
- Black (15%)





- Cyan (15%)
- Magenta (33%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.9385, 44.9817, 20.7291 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 45.9385, 44.9817, 20.7291 by changing the saturation by 10% instead.


 45.9385, 44.9817,
20.7291

 45.9385, 44.9817,
20.7291


361.2814,
366.6994, 268.5689

 32.4017, 31.4430,
12.7368


 83.3554, 82.6930,
45.5112


 21.8255, 20.9364,
7.1190


 107.9662,
107.6343, 63.1380

 13.8447, 13.0775,
3.4570


 136.9990,
137.1453, 84.8135

 8.0937, 7.4820,
1.3325

 170.8193,
171.6104, 110.9561

 4.2073, 3.7653,
0.0882

209.7923,
211.4140, 141.9844

 1.8200, 1.5432,
0.0000

254.2834,

 0.5297, 0.3188,

256.9404, 178.3170

0.0000

304.6580,
308.5741, 220.3723

■ 0.0000, 0.0000,
0.0000

■ 45.9385, 44.9817,
20.7291

■ 45.9385, 44.9817,
20.7291

■ 43.2267, 41.2024,
14.7562

■ 49.0630, 49.1248,
28.2631

■ 40.9001, 37.7669,
10.2270

■ 52.6186, 53.6377,
37.4584

■ 38.9327, 34.6623,
7.0117

■ 56.6265, 58.5345,
48.4102

■ 37.2925, 31.8716,
4.9556

■ 61.1054, 63.8262,
61.2054

■ 35.9260, 29.3690,
3.7897

■ 66.0728, 69.5234,
75.9252

■ 35.8963, 29.3139,
3.7662

■ 71.5452, 75.6360,
92.6460

■ 76.5733, 81.7879,
106.3585

■ 79.2988, 87.2389,
107.2670

■ 82.1640, 92.9693,
108.2221

Harmonies

Analogous

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



52.4971, 44.9817, 26.4638



45.9385, 44.9817, 20.7291



39.1594, 44.9817, 20.9859

Triad

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



45.9385, 44.9817, 20.7291



31.3296, 44.9817, 60.3568



52.9950, 44.9817, 79.8742

Complementary

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



45.9385, 44.9817, 20.7291



30.5519, 31.7023, 70.1543

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.



46.5616, 44.9817, 94.7676



45.9385, 44.9817, 20.7291



34.2974, 44.9817, 81.6041

Square

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



45.9385, 44.9817, 20.7291



31.2010, 44.9817, 40.6027



39.7197, 44.9817, 95.4739



56.8552, 44.9817, 58.4311

Rectangle

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



45.9385, 44.9817, 20.7291



35.4226, 44.9817, 24.4612



39.7197, 44.9817, 95.4739



51.0325, 44.9817, 86.0364

Sweetspot

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



45.9396, 44.9839, 20.7300



84.5136, 87.8202, 77.9719



40.0679, 28.0829, 34.6729



17.8000, 18.4537, 15.8674



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.



45.9396, 44.9839, 20.7300



62.0173, 58.9773, 20.6855



54.0945, 64.4019, 24.0483



13.6736, 14.2866, 13.7625



21.8366, 17.9587, 2.3155



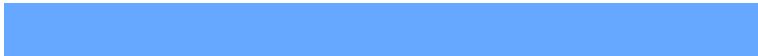
1.4995, 1.3330, 0.1783

Inverse Universe

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



30.5519, 31.7023, 70.1543



37.3774, 37.7406, 99.9224



25.2225, 19.6742, 68.1135



12.7923, 13.5243, 16.5884



10.0202, 7.9098, 40.7370



0.7334, 0.6810, 2.6672

Previews

White Background



This preview shows how the XYZ color 45.9385, 44.9817, 20.7291 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 45.9385, 44.9817, 20.7291 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 45.9385, 44.9817, 20.7291

Background



This preview shows how black text looks on a background with the XYZ color 45.9385, 44.9817, 20.7291.



This preview shows how white text looks on a background with the XYZ color 45.9385, 44.9817,

20.7291.

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

45.9385, 44.9817, 20.7291

Protanopia

41.5504, 45.0122, 21.8275

Deuteranopia

45.9385, 44.9817, 20.7291



Tritanopia

51.2665, 44.9775, 46.5369

Trichromacy



Original Color

45.9385, 44.9817, 20.7291

Protanomaly

43.0232, 44.8949, 21.4369

Deuteranomaly

45.9385, 44.9817, 20.7291

Tritanomaly

49.0409, 44.8790, 35.3559

Monochromacy



Original Color

45.9385, 44.9817, 20.7291

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.8180, 44.1663, 36.4052

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9385, 44.9817, 20.7291 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(217, 171, 109)` looks like.

```
.text, #text, p{  
    color:rgb(217, 171, 109)  
}
```

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(217, 171, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 171, 109) }
```

Border

The CSS property to change the border of an element to XYZ 45.9385, 44.9817, 20.7291 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(217, 171, 109) }
```


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

```
.border{ border-color:rgb(217, 171, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 171, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 171, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 171, 109);  
box-shadow:4px 4px 4px 4px rgb(217, 171,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9385, 44.9817, 20.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 171, 109) }
```

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

```
.background{ background-color: rgb(217,  
171, 109) }
```

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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