

Converting Colors

XYZ(46.4923, 43.8595, 21.9349)

Have a look what the booklet for
XYZ(46.4923, 43.8595, 21.9349)
contains.

XYZ(46.4923, 43.8595, 21.9349)	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(46.4923, 43.8595,
21.9349)**

Conversions

Conversions Part 1

Format	Color
Hex	DDA672
RGB	221, 166, 114
RGB Percent	87%, 65%, 45%
CMY	0.1333, 0.3490, 0.5529
CMYK	0.00, 0.25, 0.48, 0.13
HSL	29°, 61%, 66%
HSV	29°, 48%, 87%
XYZ	46.4923, 43.8595, 21.9349
YIQ	176.5170, 49.4720, -4.5120

Conversions

Conversions Part 2

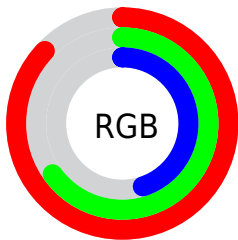
Format	Color
RYB	221, 215, 114
Decimal	14526066
CIELab	72.13, 14.07, 34.71
CIELCh	72, 37.455, 67.938
Yxy	43.8595, 0.4140, 0.3906
Android (android.graphics.Color)	4292716146 (0xFFDDA672)
YUV	176.5170, -30.8209, 39.0116
Hunter-Lab	66.2265, 9.4141, 26.7211

Details

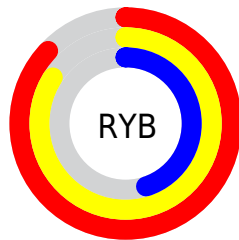
The XYZ color **46.4923, 43.8595, 21.9349** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.1779, 37.1723, 73.7801**, and the grayscale version is **41.6759, 43.8463, 47.7486**.

A 20% lighter version of the original color is **74.0715, 75.7629, 47.2789**, and **22.0757, 20.2028, 7.7370** is the 20% darker color. If you saturate the color by 10%, you get **43.4089, 39.4685, 15.4330**, and if you desaturate by 10%, it is **50.0642, 48.7411, 30.0998**.

Distribution



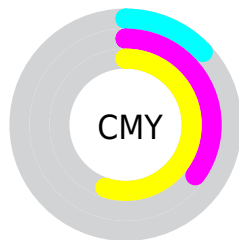
- Red (87%)
- Green (65%)
- Blue (45%)



- Red (87%)
- Yellow (84%)
- Blue (45%)



- Cyan (0%)
- Magenta (25%)
- Yellow (48%)
- Black (13%)



- Cyan (13%)
- Magenta (35%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.4923, 43.8595, 21.9349 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 46.4923, 43.8595, 21.9349 by changing the saturation by 10% instead.

■ 46.4923, 43.8595,
21.9349

■ 46.4923, 43.8595,
21.9349

363.4672,
362.1346, 275.1485

■ 32.8407, 30.5601,
13.6112

■ 84.1787, 81.0063,
47.5392

■ 22.1631, 20.2641,
7.7151

■ 108.9442,
105.6224, 65.6569

■ 14.0941, 12.5872,
3.8281

■ 138.1450,
134.7796, 87.8763

■ 8.2683, 7.1449,
1.5315

172.1466,
168.8622, 114.6160

■ 4.3203, 3.5529,
0.2412

211.3143,
208.2546, 146.2945

■ 1.8849, 1.4267,
0.0000

256.0133,

■ 0.5680, 0.2363,

253.3412, 183.3305

0.0000

306.6092,
304.5064, 226.1423

■ 0.0000, 0.0000,
0.0000

■ 46.4923, 43.8595,
21.9349

■ 46.4923, 43.8595,
21.9349

■ 43.4089, 39.4685,
15.4330

■ 50.0642, 48.7411,
30.0998

■ 40.7838, 35.5434,
10.4726

■ 54.1458, 54.1240,
40.0320

■ 38.5878, 32.0665,
6.9198


■ 58.7610, 60.0263,
51.8305


■ 36.7861, 29.0156,
4.6158

■ 63.9310, 66.4633,
65.5859

■ 35.3292, 26.3624,
3.3269

■ 69.6756, 73.4495,
81.3831

 35.1195, 25.9737,
3.1624

 76.0137, 80.9988,
99.3017

 80.6778, 88.2103,
107.3819

 83.6287, 94.1121,
108.3655

Harmonies

Analogous

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



52.1877, 43.8595, 29.1687



46.4923, 43.8595, 21.9349



40.0075, 43.8595, 20.6240

Triad

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



46.4923, 43.8595, 21.9349



30.6286, 43.8595, 52.8000



49.7367, 43.8595, 81.3717

Complementary

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



46.4923, 43.8595, 21.9349



34.1779, 37.1723, 73.7801

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.



43.4132, 43.8595, 91.9638



46.4923, 43.8595, 21.9349



32.6990, 43.8595, 72.9226

Square

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



46.4923, 43.8595, 21.9349



31.2720, 43.8595, 35.6814



37.2250, 43.8595, 88.5287



54.1907, 43.8595, 62.2858

Rectangle

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



46.4923, 43.8595, 21.9349



36.1730, 43.8595, 22.8582



37.2250, 43.8595, 88.5287



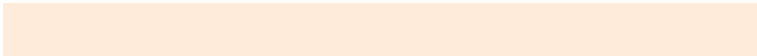
47.7350, 43.8595, 86.2403

Sweetspot

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



46.4934, 43.8616, 21.9358



83.5378, 85.8686, 77.6467



43.0244, 30.2824, 41.2535



17.5651, 17.9839, 15.7891



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.



46.4934, 43.8616, 21.9358



60.0159, 54.5573, 21.3049



58.2441, 67.3632, 25.8527



13.5758, 14.0909, 13.7299



20.5141, 15.3137, 1.8746



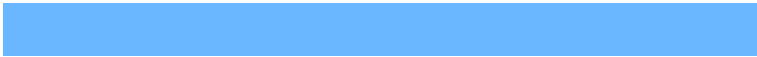
1.4151, 1.1642, 0.1501

Inverse Universe

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



34.1779, 37.1723, 73.7801



41.0829, 44.2670, 100.9868



26.2114, 21.2392, 71.1246



12.8893, 13.7184, 16.6207



11.1642, 10.1978, 41.1184



0.8094, 0.8330, 2.6926

Previews

White Background



This preview shows how the XYZ color 46.4923, 43.8595, 21.9349 looks on a white background.

Color Contrast Check

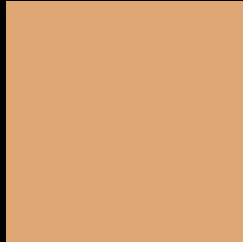
Large Text (above 18pt) WCAG AA × Fail

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 46.4923, 43.8595, 21.9349 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 46.4923, 43.8595, 21.9349

Background



This preview shows how black text looks on a background with the XYZ color 46.4923, 43.8595, 21.9349.



This preview shows how white text looks on a background with the XYZ color 46.4923, 43.8595,

21.9349.

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

46.4923, 43.8595, 21.9349

Protanopia

40.7304, 43.9588, 23.4777

Deuteranopia

44.6092, 43.7143, 21.7093



Tritanopia

51.1129, 43.9053, 44.3087

Trichromacy



Original Color

46.4923, 43.8595, 21.9349

Protanomaly

42.7831, 43.8680, 23.0421

Deuteranomaly

45.3022, 43.7964, 21.6887

Tritanomaly

49.1658, 43.8900, 34.7345

Monochromacy



Original Color

46.4923, 43.8595, 21.9349

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

42.7686, 43.5577, 36.7252

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4923, 43.8595, 21.9349 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(221, 166, 114)` looks like.

```
.text, #text, p{  
    color:rgb(221, 166, 114)  
}
```

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(221, 166, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 166, 114) }
```

Border

The CSS property to change the border of an element to XYZ 46.4923, 43.8595, 21.9349 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(221, 166, 114) }
```


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

```
.border{ border-color:rgb(221, 166, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 166, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 166, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 166, 114);  
box-shadow:4px 4px 4px 4px rgb(221, 166,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4923, 43.8595, 21.9349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 166, 114) }
```

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

```
.background{ background-color: rgb(221,  
166, 114) }
```

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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