

Converting Colors

XYZ(46.2600, 43.1973, 24.6510)

Have a look what the booklet for
XYZ(46.2600, 43.1973, 24.6510)
contains.

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Color

**XYZ(46.3658, 43.1966,
24.6329)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA47B
RGB	220, 164, 123
RGB Percent	86%, 64%, 48%
CMY	0.1373, 0.3568, 0.5176
CMYK	0.00, 0.25, 0.44, 0.14
HSL	25°, 58%, 67%
HSV	25°, 44%, 86%
XYZ	46.3658, 43.1966, 24.6329
YIQ	176.0700, 46.5370, -0.8790

Conversions

Conversions Part 2

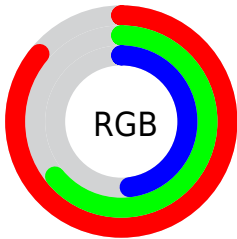
Format	Color
R_{YB}	220, 194, 123
Decimal	14460027
CIE _{Lab}	71.69, 15.63, 29.32
CIE _{LCh}	72, 33.229, 61.932
Yxy	43.1966, 0.4060, 0.3783
Android (android.graphics.Color)	4292650107 (0xFFDCA47B)
YUV	176.0700, -26.1635, 38.5266
Hunter-Lab	65.7241, 10.9076, 23.7854

Details

The XYZ color **46.3658, 43.1966, 24.6329** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **37.2061, 41.6168, 73.7819**, and the grayscale version is **41.4194, 43.5765, 47.4548**.

A 20% lighter version of the original color is **74.4080, 75.0576, 51.6401**, and **22.1345, 19.8693, 9.1471** is the 20% darker color. If you saturate the color by 10%, you get **42.9801, 38.3870, 17.4564**, and if you desaturate by 10%, it is **50.2902, 48.5881, 33.5165**.

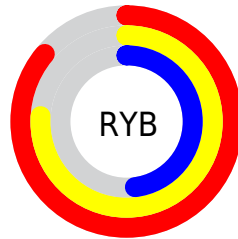
Distribution



Red (86%)

Green (64%)

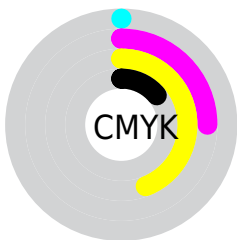
Blue (48%)



Red (86%)

Yellow (76%)

Blue (48%)

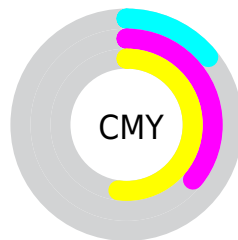


Cyan (0%)

Magenta (25%)

Yellow (44%)

Black (14%)



Cyan (14%)

Magenta (36%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3658, 43.1966, 24.6329 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 46.3658, 43.1966, 24.6329 by changing the saturation by 10% instead.


 46.3658, 43.1966,
24.6329

 46.3658, 43.1966,
24.6329


362.9687,
359.4197, 289.3937

 32.7404, 30.0394,
15.5872


 83.9907, 80.0075,
52.0178

 22.0859, 19.8685,
9.0814


 108.7209,
104.4299, 71.1940

 14.0370, 12.2995,
4.6968


 137.8835,
133.3762, 94.5843

 8.2283, 6.9480,
2.0149

171.8437,
167.2308, 122.6070

 4.2944, 3.4296,
0.5644

210.9670,
206.3780, 155.6808

 1.8700, 1.3599,
0.0000

255.6187,

 0.5593, 0.1869,

251.2023, 194.2241

0.0000

306.1641,
302.0881, 238.6556

■ 0.0000, 0.0000,
0.0000

■ 46.3658, 43.1966,
24.6329

■ 46.3658, 43.1966,
24.6329

■ 42.9801, 38.3870,
17.4564

■ 50.2902, 48.5881,
33.5165

■ 40.1021, 34.1315,
11.8718

■ 54.7753, 54.5756,
44.2071

■ 37.7025, 30.4087,
7.7534


■ 59.8459, 61.1804,
56.7997


■ 35.7467, 27.1933,
4.9550


■ 65.5241, 68.4206,
71.3820


■ 34.1937, 24.4564,
3.2992

■ 71.8308, 76.3139,
88.0360

 33.4296, 23.0445,
2.6861

 78.7857, 84.8766,
106.8381

 82.6605, 92.6262,
108.1297

 83.3252, 93.9556,
108.3513

Harmonies

Analogous

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



50.9498, 43.1966, 32.4639



46.3658, 43.1966, 24.6329



40.6931, 43.1966, 22.3490

Triad

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



46.3658, 43.1966, 24.6329



31.1577, 43.1966, 48.0870



47.0549, 43.1966, 78.5677

Complementary

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



46.3658, 43.1966, 24.6329



37.2061, 41.6168, 73.7819

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.



41.4232, 43.1966, 85.3352



46.3658, 43.1966, 24.6329



32.5357, 43.1966, 65.4171

Square

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



46.3658, 43.1966, 24.6329



32.2241, 43.1966, 33.8989



36.1699, 43.1966, 80.0488



51.3725, 43.1966, 63.1867

Rectangle

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



46.3658, 43.1966, 24.6329



37.1439, 43.1966, 23.7325



36.1699, 43.1966, 80.0488



45.2359, 43.1966, 82.0654

Sweetspot

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



46.3669, 43.1987, 24.6338



84.3609, 86.4382, 81.2398



44.7942, 32.6603, 46.9012



17.6998, 18.0413, 16.4870



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.



46.3669, 43.1987, 24.6338



60.3397, 54.0496, 24.9740



56.6130, 63.6910, 28.0491



13.5062, 13.9518, 13.7067



19.7246, 13.7347, 1.6115



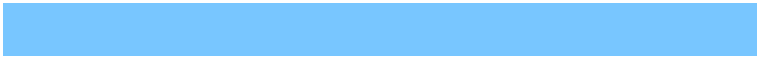
1.3620, 1.0580, 0.1324

Inverse Universe

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



37.2061, 41.6168, 73.7819



45.9388, 51.5301, 102.1328



29.2145, 25.6337, 71.1181



12.9598, 13.8593, 16.6442



12.1482, 12.1659, 41.4464



0.8717, 0.9575, 2.7133

Previews

White Background



This preview shows how the XYZ color 46.3658, 43.1966, 24.6329 looks on a white background.

Color Contrast Check

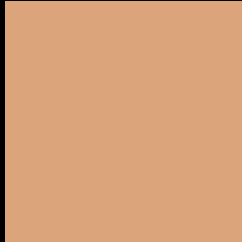
Large Text (above 18pt) WCAG AA × Fail

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 46.3658, 43.1966, 24.6329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

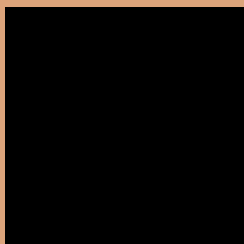
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3658, 43.1966, 24.6329

Background



This preview shows how black text looks on a background with the XYZ color 46.3658, 43.1966, 24.6329.



This preview shows how white text looks on a background with the XYZ color 46.3658, 43.1966,

24.6329.

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

46.3658, 43.1966, 24.6329

Protanopia

40.4079, 43.4280, 26.6748

Deuteranopia

44.0938, 43.1120, 24.4098



Tritanopia

50.2230, 43.2033, 43.7222

Trichromacy



Original Color

46.3658, 43.1966, 24.6329

Protanomaly

42.3378, 43.2908, 25.8632

Deuteranomaly

45.0631, 43.3387, 24.4025

Tritanomaly

48.7520, 43.1295, 35.8923

Monochromacy



Original Color

46.3658, 43.1966, 24.6329

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

42.5766, 43.1458, 37.9822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3658, 43.1966, 24.6329 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, 164, 123)` looks like.

```
.text, #text, p{  
    color:rgb(220, 164, 123)  
}
```

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, 164, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 164, 123) }
```

Border

The CSS property to change the border of an element to XYZ 46.3658, 43.1966, 24.6329 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, 164, 123) }
```


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

```
.border{ border-color:rgb(220, 164, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 164, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 164, 123); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 164, 123); box-shadow:4px 4px 4px 4px rgb(220, 164, 123) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3658, 43.1966, 24.6329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 164, 123) }
```

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

```
.background{ background-color: rgb(220,  
164, 123) }
```

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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