

Converting Colors

XYZ(43.0358, 42.1167, 5.8611)

Have a look what the booklet for
XYZ(43.0358, 42.1167, 5.8611)
contains.

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Color

**XYZ(42.9703, 42.1259,
5.8663)**

Conversions

Conversions Part 1

Format	Color
Hex	DCA500
RGB	220, 165, 0
RGB Percent	86%, 65%, 0%
CMY	0.1373, 0.3529, 0.9999
CMYK	0.00, 0.25, 1.00, 0.14
HSL	45°, 100%, 43%
HSV	45°, 100%, 86%
XYZ	42.9703, 42.1259, 5.8663
YIQ	162.6350, 85.7450, -39.6550

Conversions

Conversions Part 2

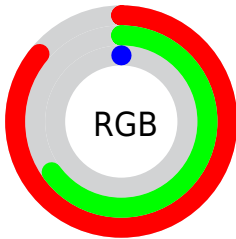
Format	Color
RYB	73, 220, 0
Decimal	14460160
CIELab	70.96, 8.93, 74.39
CIELCh	71, 74.923, 83.154
Yxy	42.1259, 0.4724, 0.4631
Android (android.graphics.Color)	4292650240 (0xFFDCA500)
YUV	162.6350, -80.1791, 50.3091
Hunter-Lab	64.9045, 4.5939, 40.0743

Details

The XYZ color **42.9703, 42.1259, 5.8663** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **14.2849, 7.9004, 68.4816**, and the grayscale version is **34.9801, 36.8017, 40.0771**.

A 20% lighter version of the original color is **68.2083, 72.9965, 17.7025**, and **20.3154, 19.4056, 2.6749** is the 20% darker color. If you saturate the color by 10%, you get **42.9705, 42.1267, 5.8665**, and if you desaturate by 10%, it is **44.1296, 44.2129, 6.9679**.

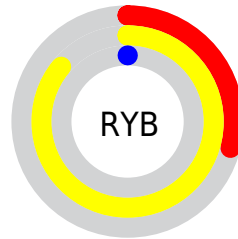
Distribution



Red (86%)

Green (65%)

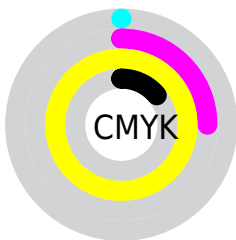
Blue (0%)



Red (29%)

Yellow (86%)

Blue (0%)

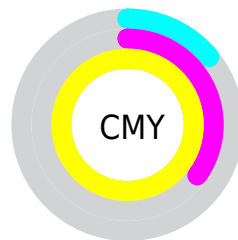


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (35%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9703, 42.1259, 5.8663 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 42.9703, 42.1259, 5.8663 by changing the saturation by 10% instead.


 42.9703, 42.1259,
5.8663


 42.9703, 42.1259,
5.8663


349.4132,
355.0046, 167.1364

 30.0562, 29.1999,
2.6965


 78.9220, 78.3901,
18.1256


 20.0296, 19.2321,
0.9417


 102.6904,
102.4971, 28.0522


 12.5249, 11.8381,
0.0000


 130.8076,
131.0999, 41.0681

 7.1770, 6.6335,
0.0000

 163.6390,
164.5829, 57.5918

 3.6203, 3.2340,
0.0000

 201.5498,
203.3305, 78.0420

 1.4897, 1.2551,
0.0000

 244.9056,

 0.3188, 0.1060,

247.7270, 102.8371

0.0000

294.0716,
298.1569, 132.3957

0.0000, 0.0000,
0.0000

42.9703, 42.1259,
5.8663

42.9703, 42.1259,
5.8663

42.9705, 42.1267,
5.8665

44.1296, 44.2129,
6.9679

45.4962, 46.4503,
8.9522

47.1255, 48.8626,
12.1041

49.0483, 51.4630,
16.5838

51.2908, 54.2628,
22.5263

■ 53.8758, 57.2719,
30.0498

■ 56.8239, 60.4993,
39.2605

■ 60.1541, 63.9532,
50.2552

■ 63.8836, 67.6415,
63.1235

Harmonies

Analogous

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



56.2328, 42.1259, 9.9119



42.9703, 42.1259, 5.8663



31.3209, 42.1259, 7.2435

Triad

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



42.9703, 42.1259, 5.8663



21.7716, 42.1259, 78.5675



62.4915, 42.1259, 100.6959

Complementary

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



42.9703, 42.1259, 5.8663



14.2849, 7.9004, 68.4816

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.



50.2420, 42.1259, 142.5947



42.9703, 42.1259, 5.8663



27.2979, 42.1259, 125.8374

Square

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



42.9703, 42.1259, 5.8663



20.6182, 42.1259, 38.1495



37.2449, 42.1259, 153.6212



68.9234, 42.1259, 54.5629

Rectangle

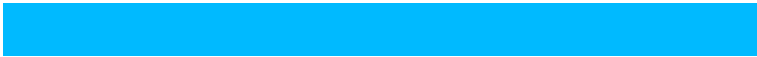
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.9703, 42.1259, 5.8663



25.7599, 42.1259, 11.7686



37.2449, 42.1259, 153.6212



58.8094, 42.1259, 116.5443

Sweetspot

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



42.9712, 42.1280, 5.8671



79.2860, 84.4141, 54.4979



30.2049, 15.4918, 5.0140



16.5832, 17.6503, 10.4359



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.



42.9712, 42.1280, 5.8671



59.9262, 58.6323, 8.1587



41.1107, 59.1856, 9.2576



13.8722, 14.6838, 13.8287



25.3118, 24.9091, 3.4739



1.7065, 1.7471, 0.2473

Inverse Universe

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



14.2849, 7.9004, 68.4816



19.8691, 10.8582, 95.6564



14.4944, 5.9801, 68.0998



12.6018, 13.1434, 16.5249



8.4582, 4.7858, 40.2164



0.6164, 0.4468, 2.6282

Previews

White Background



This preview shows how the XYZ color 42.9703, 42.1259, 5.8663 looks on a white background.

Color Contrast Check

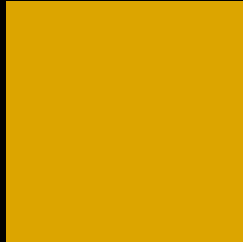
Large Text (above 18pt) WCAG AA × Fail

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 42.9703, 42.1259, 5.8663 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 42.9703, 42.1259, 5.8663

Background



This preview shows how black text looks on a background with the XYZ color 42.9703, 42.1259, 5.8663.



This preview shows how white text looks on a background with the XYZ color 42.9703, 42.1259,

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

42.9703, 42.1259, 5.8663

Protanopia

37.9674, 42.0344, 6.4602

Deuteranopia

42.9813, 42.1303, 5.9240



Tritanopia

50.1777, 41.9931, 41.0581

Trichromacy



Original Color

42.9703, 42.1259, 5.8663

Protanomaly

39.7836, 42.1225, 6.2634

Deuteranomaly

42.9758, 42.1281, 5.8952

Tritanomaly

45.6581, 41.1414, 18.8992

Monochromacy



Original Color

42.9703, 42.1259, 5.8663

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.5413, 37.7407, 18.5082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9703, 42.1259, 5.8663 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, 165, 0)` looks like.

```
.text, #text, p{  
    color:rgb(220, 165, 0)  
}
```

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, 165, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 165, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.9703, 42.1259, 5.8663 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, 165, 0) }
```


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

```
.border{ border-color:rgb(220, 165, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 165, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 165, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 165, 0);  
box-shadow:4px 4px 4px 4px rgb(220, 165,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9703, 42.1259, 5.8663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 165, 0) }
```

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

```
.background{ background-color: rgb(220,  
165, 0) }
```

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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