

Converting Colors

XYZ(42.9726, 40.3569, 9.1990)

Have a look what the booklet for
XYZ(42.9726, 40.3569, 9.1990)
contains.

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Color

**XYZ(42.9065, 40.4443,
9.1595)**

Conversions

Conversions Part 1

Format	Color
Hex	DD9F37
RGB	221, 159, 55
RGB Percent	87%, 62%, 22%
CMY	0.1333, 0.3764, 0.7843
CMYK	0.00, 0.28, 0.75, 0.13
HSL	38°, 71%, 54%
HSV	38°, 75%, 87%
XYZ	42.9065, 40.4443, 9.1595
YIQ	165.6820, 70.3360, -19.2000

Conversions

Conversions Part 2

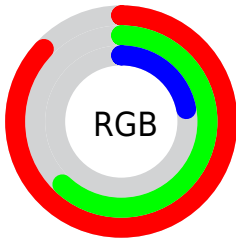
Format	Color
RYB	154, 221, 55
Decimal	14524215
CIELab	69.78, 13.80, 60.27
CIELCh	70, 61.831, 77.107
Yxy	40.4443, 0.4638, 0.4372
Android (android.graphics.Color)	4292714295 (0xFFDD9F37)
YUV	165.6820, -54.5662, 48.5139
Hunter-Lab	63.5958, 9.1367, 35.9777

Details

The XYZ color **42.9065, 40.4443, 9.1595** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **20.9876, 18.7544, 70.9198**, and the grayscale version is **36.3242, 38.2159, 41.6171**.

A 20% lighter version of the original color is **67.9933, 70.4358, 24.1992**, and **20.0605, 18.3022, 2.4754** is the 20% darker color. If you saturate the color by 10%, you get **41.1186, 37.5350, 6.5095**, and if you desaturate by 10%, it is **45.0281, 43.6420, 13.0908**.

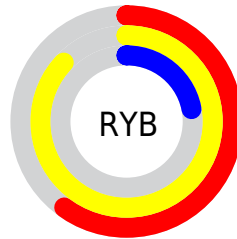
Distribution



Red (87%)

Green (62%)

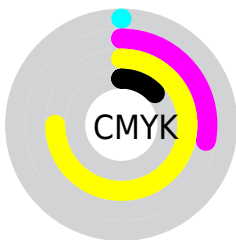
Blue (22%)



Red (60%)

Yellow (87%)

Blue (22%)

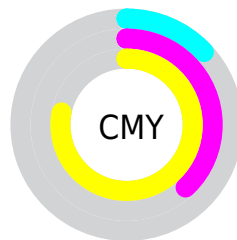


Cyan (0%)

Magenta (28%)

Yellow (75%)

Black (13%)



Cyan (13%)


Magenta (38%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9065, 40.4443, 9.1595 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 42.9065, 40.4443, 9.1595 by changing the saturation by 10% instead.


 42.9065, 40.4443,
9.1595


 42.9065, 40.4443,
9.1595


349.1551,
347.9927, 194.8250


 30.0060, 27.8851,
4.7471


 78.8263, 75.8396,
24.7847

 19.9912, 18.2391,
2.0435


 102.5764, 99.4445,
36.8347


 12.4969, 11.1218,
0.5819


 130.6736,
127.5002, 52.2676

 7.1576, 6.1488,
0.0000

 163.4833,
160.3909, 71.5019

 3.6081, 2.9358,
0.0000

 201.3710,
198.5011, 94.9563

 1.4829, 1.0983,
0.0000

 244.7020,

 0.3141, 0.0000,

242.2152, 123.0493

0.0000

293.8416,
291.9176, 156.1993

■ 0.0000, 0.0000,
0.0000

■ 42.9065, 40.4443,
9.1595

■ 42.9065, 40.4443,
9.1595

■ 41.1186, 37.5350,
6.5095

■ 45.0281, 43.6420,
13.0908

■ 39.6253, 34.8907,
4.9568

■ 47.5104, 47.1368,
18.4496

■ 38.9739, 33.6827,
4.4473

■ 50.3804, 50.9440,
25.3645

■ 53.6611, 55.0755,
33.9492

■ 57.3736, 59.5423,
44.3066

■ 61.5374, 64.3548,
56.5310

■ 66.1706, 69.5229,
70.7103

■ 71.2903, 75.0557,
86.9267

■ 76.9126, 80.9621,
105.2575

Harmonies

Analogous

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



53.1170, 40.4443, 14.7024



42.9065, 40.4443, 9.1595



33.0430, 40.4443, 9.5335

Triad

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



42.9065, 40.4443, 9.1595



22.7989, 40.4443, 62.3624



54.3706, 40.4443, 93.3370

Complementary

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



42.9065, 40.4443, 9.1595



20.9876, 18.7544, 70.9198

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.



44.3973, 40.4443, 120.7206



42.9065, 40.4443, 9.1595



26.7529, 40.4443, 98.1560

Square

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



42.9065, 40.4443, 9.1595



22.5408, 40.4443, 32.8276



34.2968, 40.4443, 122.7912



60.4696, 40.4443, 57.5453

Rectangle

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



42.9065, 40.4443, 9.1595



27.9411, 40.4443, 13.0444



34.2968, 40.4443, 122.7912



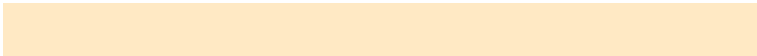
51.2885, 40.4443, 104.3983

Sweetspot

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



42.9074, 40.4463, 9.1603



80.4100, 83.5940, 64.3309



34.4928, 19.4278, 19.2700



16.7863, 17.3922, 12.5517



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.



42.9074, 40.4463, 9.1603



55.6631, 49.8167, 7.6301



50.8038, 64.4937, 13.3857



13.7323, 14.4040, 13.7821



22.7527, 19.7910, 2.6208



1.5557, 1.4454, 0.1970

Inverse Universe

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



20.9876, 18.7544, 70.9198



24.1706, 18.8476, 96.9718



17.2699, 9.4236, 69.3147



12.7351, 13.4099, 16.5693



9.4580, 6.7855, 40.5496



0.6938, 0.6018, 2.6540

Previews

White Background



This preview shows how the XYZ color 42.9065, 40.4443, 9.1595 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 42.9065, 40.4443, 9.1595 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 42.9065, 40.4443, 9.1595

Background



This preview shows how black text looks on a background with the XYZ color 42.9065, 40.4443, 9.1595.



This preview shows how white text looks on a background with the XYZ color 42.9065, 40.4443,

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

42.9065, 40.4443, 9.1595

Protanopia

36.8125, 40.5077, 9.8815

Deuteranopia

41.3177, 40.4031, 9.1109



Tritanopia

49.0875, 40.5269, 38.4930

Trichromacy



Original Color

42.9065, 40.4443, 9.1595

Protanomaly

38.9144, 40.4894, 9.6351

Deuteranomaly

42.0260, 40.5078, 9.0938

Tritanomaly

45.9554, 40.1952, 23.7487

Monochromacy



Original Color

42.9065, 40.4443, 9.1595

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

37.1128, 38.1398, 25.1443

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9065, 40.4443, 9.1595 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, 159, 55)` looks like.

```
.text, #text, p{  
    color:rgb(221, 159, 55)  
}
```

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, 159, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 159, 55) }
```

Border

The CSS property to change the border of an element to XYZ 42.9065, 40.4443, 9.1595 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, 159, 55) }
```


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

```
.border{ border-color:rgb(221, 159, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 159, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 159, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 159, 55);  
box-shadow:4px 4px 4px 4px rgb(221, 159,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9065, 40.4443, 9.1595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 159, 55) }
```

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

```
.background{ background-color: rgb(221,  
159, 55) }
```

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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