

Converting Colors

XYZ(41.9520, 42.9802, 17.0006)

Have a look what the booklet for
XYZ(41.9520, 42.9802, 17.0006)
contains.

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Color

**XYZ(42.0821, 43.0739,
16.9226)**

Conversions

Conversions Part 1

Format	Color
Hex	CEAB5F
RGB	206, 171, 95
RGB Percent	81%, 67%, 37%
CMY	0.1922, 0.3294, 0.6274
CMYK	0.00, 0.17, 0.54, 0.19
HSL	41°, 53%, 59%
HSV	41°, 54%, 81%
XYZ	42.0821, 43.0739, 16.9226
YIQ	172.8010, 45.2560, -16.2160

Conversions

Conversions Part 2

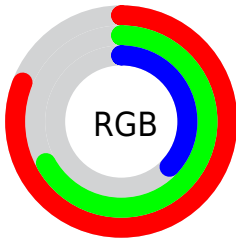
Format	Color
RYB	146, 206, 95
Decimal	13544287
CIELab	71.61, 3.48, 43.51
CIELCh	72, 43.651, 85.430
Yxy	43.0739, 0.4123, 0.4220
Android (android.graphics.Color)	4291734367 (0xFFCEAB5F)
YUV	172.8010, -38.3559, 29.1155
Hunter-Lab	65.6307, -0.4004, 30.6538

Details

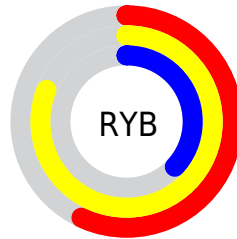
The XYZ color **42.0821, 43.0739, 16.9226** is a light color, and the websafe version is hex **CC9966**. The color can be described as light muted orange. A complement of this color would be **23.8422, 22.8535, 61.5469**, and the grayscale version is **39.7931, 41.8655, 45.5915**.

A 20% lighter version of the original color is **73.7028, 77.7593, 38.7283**, and **19.4649, 19.7727, 5.2732** is the 20% darker color. If you saturate the color by 10%, you get **40.0702, 40.3558, 12.2274**, and if you desaturate by 10%, it is **44.4039, 46.0157, 22.9435**.

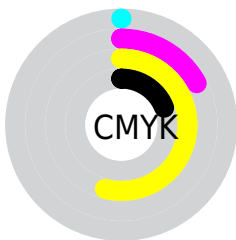
Distribution



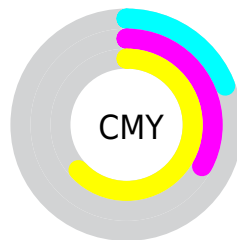
- Red (81%)
- Green (67%)
- Blue (37%)



- Red (57%)
- Yellow (81%)
- Blue (37%)



- Cyan (0%)
- Magenta (17%)
- Yellow (54%)
- Black (19%)



- Cyan (19%)
- Magenta (33%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0821, 43.0739, 16.9226 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 42.0821, 43.0739, 16.9226 by changing the saturation by 10% instead.

■ 42.0821, 43.0739,
16.9226

■ 42.0821, 43.0739,
16.9226

345.8090,
358.9156, 246.7548

■ 29.3570, 29.9431,
10.0179

■ 77.5882, 79.8224,
38.9815

■ 19.4967, 19.7954,
5.3051

■ 101.1000,
104.2088, 54.9728

■ 12.1358, 12.2464,
2.3655

■ 128.9380,
133.1160, 74.8301

■ 6.9091, 6.9117,
0.7676

■ 161.4675,
166.9282, 98.9718

■ 3.4511, 3.4070,
0.0000

199.0541,
206.0298, 127.8166

■ 1.3966, 1.3477,
0.0000

242.0629,

■ 0.2538, 0.1777,

250.8054, 161.7831

0.0000

290.8595,
301.6392, 201.2896

■ 0.0000, 0.0000,
0.0000

■ 42.0821, 43.0739,
16.9226

■ 42.0821, 43.0739,
16.9226

■ 40.0702, 40.3558,
12.2274

■ 44.4039, 46.0157,
22.9435

■ 38.3444, 37.8456,
8.7497

■ 47.0512, 49.1838,
30.3815

■ 36.8817, 35.5343,
6.3687

■ 50.0420, 52.5885,
39.3229

■ 35.6532, 33.4090,
4.9369

■ 53.3920, 56.2373,
49.8462

■ 34.9864, 32.1875,
4.3688

■ 57.1158, 60.1372,
62.0246

■ 61.2272, 64.2951,
75.9266

■ 65.7391, 68.7173,
91.6168

■ 69.8810, 73.0968,
105.0337

■ 71.6493, 76.6333,
105.6231

Harmonies

Analogous

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



49.5366, 43.0739, 20.7533



42.0821, 43.0739, 16.9226



35.1413, 43.0739, 18.9283

Triad

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



42.0821, 43.0739, 16.9226



29.4101, 43.0739, 66.6176



53.7799, 43.0739, 73.9625

Complementary

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



42.0821, 43.0739, 16.9226



23.8422, 22.8535, 61.5469

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.



47.3449, 43.0739, 94.0410



42.0821, 43.0739, 16.9226



33.4012, 43.0739, 88.9830

Square

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



42.0821, 43.0739, 16.9226



28.3557, 43.0739, 43.7345



39.8196, 43.0739, 100.2313



56.7869, 43.0739, 50.2150

Rectangle

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



42.0821, 43.0739, 16.9226



31.6359, 43.0739, 23.7605



39.8196, 43.0739, 100.2313



51.9110, 43.0739, 81.6147

Sweetspot

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



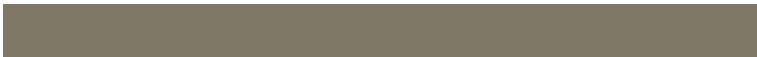
42.0831, 43.0760, 16.9235



85.1961, 89.7111, 76.5780



33.5854, 22.9224, 23.8267



17.9890, 18.9352, 15.6112



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.



42.0831, 43.0760, 16.9235



64.3492, 64.5766, 18.5793



44.3017, 55.3641, 19.1784



11.8439, 12.4768, 11.8635



21.6339, 20.0008, 2.7203



1.1822, 1.1641, 0.1624

Inverse Universe

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



23.8422, 22.8535, 61.5469



31.7935, 28.5555, 98.4438



22.3495, 16.3098, 60.3625



10.8856, 11.4116, 14.1993



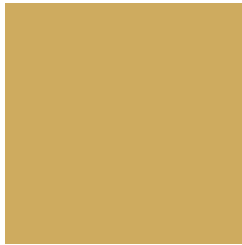
8.0995, 5.2229, 36.5375



0.4861, 0.4059, 1.9077

Previews

White Background



This preview shows how the XYZ color 42.0821, 43.0739, 16.9226 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 42.0821, 43.0739, 16.9226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

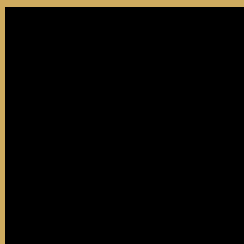
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0821, 43.0739, 16.9226

Background



This preview shows how black text looks on a background with the XYZ color 42.0821, 43.0739, 16.9226.



This preview shows how white text looks on a background with the XYZ color 42.0821, 43.0739,

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

42.0821, 43.0739, 16.9226

Protanopia

39.6753, 43.2512, 17.5665

Deuteranopia

43.9544, 42.9290, 17.0358



Tritanopia

48.0009, 43.0428, 45.8226

Trichromacy



Original Color

42.0821, 43.0739, 16.9226

Protanomaly

40.5361, 43.1224, 17.2533

Deuteranomaly

43.2653, 42.8468, 17.0563

Tritanomaly

45.1443, 42.6562, 32.6422

Monochromacy



Original Color

42.0821, 43.0739, 16.9226

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.8709, 41.8637, 32.7671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0821, 43.0739, 16.9226 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(206, 171, 95)` looks like.

```
.text, #text, p{  
    color:rgb(206, 171, 95)  
}
```

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(206, 171, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 171, 95) }
```

Border

The CSS property to change the border of an element to XYZ 42.0821, 43.0739, 16.9226 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(206, 171, 95) }
```


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

```
.border{ border-color:rgb(206, 171, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 171, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 171, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 171, 95);  
box-shadow:4px 4px 4px 4px rgb(206, 171,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0821, 43.0739, 16.9226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 171, 95) }
```

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

```
.background{ background-color: rgb(206,  
171, 95) }
```

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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