

Converting Colors

XYZ(41.8588, 40.8555, 16.7261)

Have a look what the booklet for
XYZ(41.8588, 40.8555, 16.7261)
contains.

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Color

**XYZ(41.7869, 40.7406,
16.7276)**

Conversions

Conversions Part 1

Format	Color
Hex	D2A360
RGB	210, 163, 96
RGB Percent	82%, 64%, 38%
CMY	0.1765, 0.3608, 0.6235
CMYK	0.00, 0.22, 0.54, 0.18
HSL	35°, 56%, 60%
HSV	35°, 54%, 82%
XYZ	41.7869, 40.7406, 16.7276
YIQ	169.4150, 49.5190, -10.8730

Conversions

Conversions Part 2

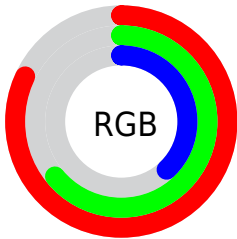
Format	Color
RYB	176, 210, 96
Decimal	13804384
CIELab	69.99, 9.53, 41.15
CIELCh	70, 42.238, 76.961
Yxy	40.7406, 0.4210, 0.4105
Android (android.graphics.Color)	4291994464 (0xFFD2A360)
YUV	169.4150, -36.1936, 35.5930
Hunter-Lab	63.8284, 5.1600, 29.1416

Details

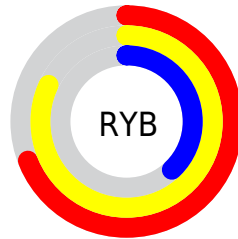
The XYZ color **41.7869, 40.7406, 16.7276** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **26.2787, 26.7837, 64.7573**, and the grayscale version is **38.0753, 40.0582, 43.6234**.

A 20% lighter version of the original color is **71.6567, 73.5409, 38.4351**, and **19.3344, 18.3464, 5.2115** is the 20% darker color. If you saturate the color by 10%, you get **39.4616, 37.4361, 11.8030**, and if you desaturate by 10%, it is **44.4777, 44.3628, 23.0488**.

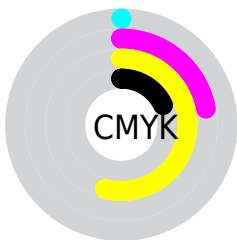
Distribution



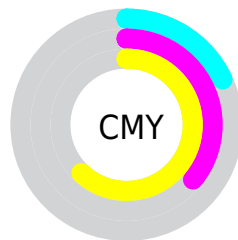
- Red (82%)
- Green (64%)
- Blue (38%)



- Red (69%)
- Yellow (82%)
- Blue (38%)



- Cyan (0%)
- Magenta (22%)
- Yellow (54%)
- Black (18%)



- Cyan (18%)
- Magenta (36%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7869, 40.7406, 16.7276 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 41.7869, 40.7406, 16.7276 by changing the saturation by 10% instead.

41.7869, 40.7406,
16.7276

41.7869, 40.7406,
16.7276

344.6055,
349.2353, 245.5883

29.1248, 28.1164,
9.8806

77.1442, 76.2900,
38.6410

19.3200, 18.4135,
5.2153

100.5701, 99.9840,
54.5445

12.0071, 11.2472,
2.3132

128.3148,
128.1367, 74.3039

6.8208, 6.2334,
0.7386

160.7434,
161.1326, 98.3377

3.3956, 2.9875,
0.0000

198.2215,
199.3560, 127.0646

1.3663, 1.1252,
0.0000

241.1143,

0.2320, 0.0000,

243.1913, 160.9029

0.0000

289.7871,
293.0229, 200.2713

■ 0.0000, 0.0000,
0.0000

■ 41.7869, 40.7406,
16.7276

■ 41.7869, 40.7406,
16.7276

■ 39.4616, 37.4361,
11.8030

■ 44.4777, 44.3628,
23.0488

■ 37.4756, 34.4308,
8.1609

■ 47.5517, 48.3083,
30.8636

■ 35.8034, 31.7127,
5.6731

■ 51.0290, 52.5900,
40.2630

■ 34.4132, 29.2653,
4.1829

■ 54.9271, 57.2178,
51.3301

■ 33.7147, 27.9745,
3.6227

■ 59.2624, 62.2013,
64.1420

■ 64.0503, 67.5497,
78.7710

■ 69.3056, 73.2716,
95.2853

■ 73.5585, 78.7820,
105.9372

■ 76.0594, 83.7838,
106.7709

Harmonies

Analogous

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



48.4784, 40.7406, 22.0195



41.7869, 40.7406, 16.7276



34.9880, 40.7406, 17.0805

Triad

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



41.7869, 40.7406, 16.7276



27.3907, 40.7406, 56.3635



49.2262, 40.7406, 75.5916

Complementary

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



41.7869, 40.7406, 16.7276



26.2787, 26.7837, 64.7573

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.



42.7141, 40.7406, 91.4015



41.7869, 40.7406, 16.7276



30.3724, 40.7406, 78.2387

Square

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



41.7869, 40.7406, 16.7276



27.2050, 40.7406, 36.3438



35.8121, 40.7406, 92.4929



53.1038, 40.7406, 53.4750

Rectangle

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



41.7869, 40.7406, 16.7276



31.2962, 40.7406, 20.4387



35.8121, 40.7406, 92.4929



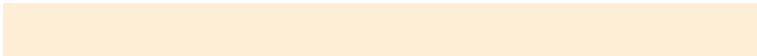
47.2399, 40.7406, 82.0722

Sweetspot

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



41.7879, 40.7426, 16.7284



84.0304, 87.3797, 76.1894



35.7573, 24.0661, 28.9466



17.7104, 18.3779, 15.5183



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.



41.7879, 40.7426, 16.7284



60.7545, 57.3871, 17.3810



49.1111, 59.2859, 19.9217



12.3779, 12.9464, 12.4586



20.6667, 17.2665, 2.2435



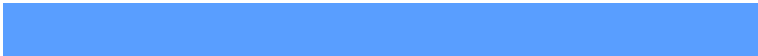
1.2327, 1.1198, 0.1512

Inverse Universe

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



26.2787, 26.7837, 64.7573



34.3489, 33.6663, 99.2956



21.7007, 16.0529, 62.9274



11.5582, 12.2067, 14.9906



9.2474, 7.1414, 38.0835



0.5944, 0.5540, 2.1552

Previews

White Background



This preview shows how the XYZ color 41.7869, 40.7406, 16.7276 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 41.7869, 40.7406, 16.7276 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 41.7869, 40.7406, 16.7276

Background



This preview shows how black text looks on a background with the XYZ color 41.7869, 40.7406, 16.7276.



This preview shows how white text looks on a background with the XYZ color 41.7869, 40.7406,

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

41.7869, 40.7406, 16.7276

Protanopia

37.5541, 40.7180, 17.6844

Deuteranopia

41.5030, 40.5942, 16.7144



Tritanopia

46.9232, 40.7948, 41.4775

Trichromacy



Original Color

41.7869, 40.7406, 16.7276

Protanomaly

38.9722, 40.6229, 17.3422

Deuteranomaly

41.5030, 40.5942, 16.7144

Tritanomaly

44.7661, 40.6729, 30.6905

Monochromacy



Original Color

41.7869, 40.7406, 16.7276

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.4684, 39.7808, 31.2421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7869, 40.7406, 16.7276 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(210, 163, 96)` looks like.

```
.text, #text, p{  
    color:rgb(210, 163, 96)  
}
```

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(210, 163, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 163, 96) }
```

Border

The CSS property to change the border of an element to XYZ 41.7869, 40.7406, 16.7276 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(210, 163, 96) }
```


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

```
.border{ border-color:rgb(210, 163, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 163, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 163, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 163, 96);  
box-shadow:4px 4px 4px 4px rgb(210, 163,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7869, 40.7406, 16.7276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 163, 96) }
```

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

```
.background{ background-color: rgb(210,  
163, 96) }
```

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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