

Converting Colors

XYZ(42.1606, 46.9676, 20.8833)

Have a look what the booklet for
XYZ(42.1606, 46.9676, 20.8833)
contains.

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Color

**XYZ(42.0425, 46.8119,
20.7296)**

Conversions

Conversions Part 1

Format	Color
Hex	C2B86B
RGB	194, 184, 107
RGB Percent	76%, 72%, 42%
CMY	0.2392, 0.2784, 0.5804
CMYK	0.00, 0.05, 0.45, 0.24
HSL	53°, 42%, 59%
HSV	53°, 45%, 76%
XYZ	42.0425, 46.8119, 20.7296
YIQ	178.2120, 30.6770, -21.8270

Conversions

Conversions Part 2

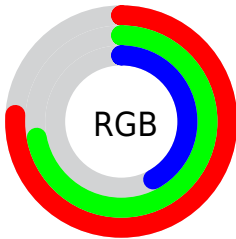
Format	Color
RYB	118, 194, 107
Decimal	12761195
CIELab	74.07, -7.26, 40.24
CIELCh	74, 40.887, 100.233
Yxy	46.8119, 0.3837, 0.4272
Android (android.graphics.Color)	4290951275 (0xFFC2B86B)
YUV	178.2120, -35.1075, 13.8461
Hunter-Lab	68.4192, -10.0483, 29.9298

Details

The XYZ color **42.0425, 46.8119, 20.7296** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **22.1622, 19.7428, 53.6816**, and the grayscale version is **42.5990, 44.8174, 48.8062**.

A 20% lighter version of the original color is **77.6501, 85.5537, 45.6786**, and **19.5023, 22.0170, 7.0927** is the 20% darker color. If you saturate the color by 10%, you get **40.6753, 45.5317, 15.7910**, and if you desaturate by 10%, it is **43.6483, 48.2026, 26.8785**.

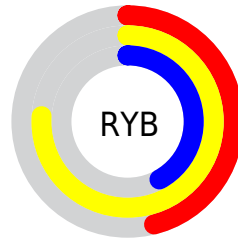
Distribution



Red (76%)

Green (72%)

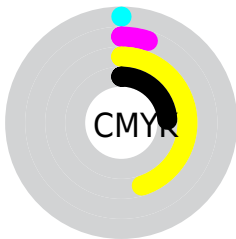
Blue (42%)



Red (46%)

Yellow (76%)

Blue (42%)

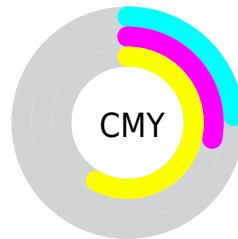


Cyan (0%)

Magenta (5%)

Yellow (45%)

Black (24%)



Cyan (24%)

Magenta (28%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0425, 46.8119, 20.7296 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 42.0425, 46.8119, 20.7296 by changing the saturation by 10% instead.

■ 42.0425, 46.8119,
20.7296

■ 42.0425, 46.8119,
20.7296

345.6477,
374.0632, 268.5716

■ 29.3258, 32.8870,
12.7372

■ 77.5287, 85.4328,
45.5120

■ 19.4730, 22.0399,
7.1192

■ 101.0289,
110.8975, 63.1391

■ 12.1186, 13.8862,
3.4572

■ 128.8544,
140.9777, 84.8148

■ 6.8972, 8.0416,
1.3326

■ 161.3705,
176.0576, 110.9577

■ 3.4437, 4.1216,
0.0883

198.9425,
216.5217, 141.9862

■ 1.3925, 1.7418,
0.0000

241.9358,

■ 0.2509, 0.4505,

262.7545, 178.3191

0.0000

290.7157,
315.1402, 220.3747

■ 0.0000, 0.0000,
0.0000

■ 42.0425, 46.8119,
20.7296

■ 42.0425, 46.8119,
20.7296

■ 40.6753, 45.5317,
15.7910

■ 43.6483, 48.2026,
26.8785

■ 39.5278, 44.3494,
11.9782

■ 45.5033, 49.7030,
34.3088

■ 38.5835, 43.2599,
9.2003


■ 47.6216, 51.3205,
43.0897


■ 37.8224, 42.2551,
7.3512


■ 50.0154, 53.0600,
53.2845


■ 37.2199, 41.3253,
6.3021


■ 52.6959, 54.9261,
64.9524

 36.9460, 40.8650,
5.9405

 55.6738, 56.9230,
78.1495

 58.9591, 59.0549,
92.9286

 61.3800, 60.8531,
103.1185

 61.9062, 61.9055,
103.2939

Harmonies

Analogous

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



49.4190, 46.8119, 21.6950



42.0425, 46.8119, 20.7296



36.0173, 46.8119, 25.9987

Triad

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



42.0425, 46.8119, 20.7296



34.6011, 46.8119, 81.6464



59.0770, 46.8119, 65.8347

Complementary

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



42.0425, 46.8119, 20.7296



22.1622, 19.7428, 53.6816

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.



54.2046, 46.8119, 88.2976



42.0425, 46.8119, 20.7296



39.9063, 46.8119, 99.0205

Square

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



42.0425, 46.8119, 20.7296



32.0436, 46.8119, 58.4618



47.0376, 46.8119, 101.7418



59.8106, 46.8119, 44.1476

Rectangle

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



42.0425, 46.8119, 20.7296



33.3722, 46.8119, 33.4809



47.0376, 46.8119, 101.7418



57.8455, 46.8119, 73.6851

Sweetspot

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



42.0436, 46.8141, 20.7306



86.9543, 93.4809, 80.9152



30.7258, 23.2731, 19.7492



18.8396, 20.3210, 16.8669



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.



42.0436, 46.8141, 20.7306



73.6909, 82.4895, 28.5999



36.5734, 47.1859, 21.0907



10.8115, 11.5543, 10.7223



24.3294, 26.9445, 3.9185



1.0798, 1.2214, 0.1788

Inverse Universe

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



22.1622, 19.7428, 53.6816



33.0840, 27.2237, 95.9808



25.8700, 20.0169, 53.5390



9.6194, 9.9302, 12.6945



6.6260, 3.0084, 33.7881



0.3180, 0.1933, 1.4704

Previews

White Background



This preview shows how the XYZ color 42.0425, 46.8119, 20.7296 looks on a white background.

Color Contrast Check

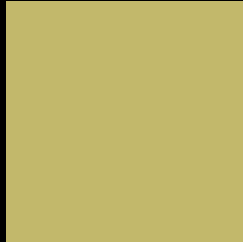
Large Text (above 18pt) WCAG AA × Fail

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 42.0425, 46.8119, 20.7296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

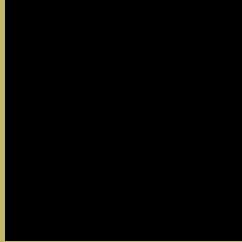
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.0425, 46.8119, 20.7296

Background



This preview shows how black text looks on a background with the XYZ color 42.0425, 46.8119, 20.7296.



This preview shows how white text looks on a background with the XYZ color 42.0425, 46.8119,

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

42.0425, 46.8119, 20.7296

Protanopia

43.1489, 46.7759, 20.3901

Deuteranopia

47.7152, 46.7484, 20.9765



Tritanopia

48.8418, 46.5995, 53.9973

Trichromacy



Original Color

42.0425, 46.8119, 20.7296

Protanomaly

42.8237, 46.9133, 20.4338

Deuteranomaly

45.4911, 46.7724, 20.8177

Tritanomaly

45.9978, 46.6234, 39.3757

Monochromacy



Original Color

42.0425, 46.8119, 20.7296

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.7559, 45.0999, 36.2101

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0425, 46.8119, 20.7296 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(194, 184, 107)` looks like.

```
.text, #text, p{  
    color:rgb(194, 184, 107)  
}
```

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(194, 184, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 184, 107) }
```

Border

The CSS property to change the border of an element to XYZ 42.0425, 46.8119, 20.7296 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(194, 184, 107) }
```


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

```
.border{ border-color:rgb(194, 184, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 184, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 184, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 184, 107);  
box-shadow:4px 4px 4px 4px rgb(194, 184,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0425, 46.8119, 20.7296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 184, 107) }
```

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

```
.background{ background-color: rgb(194,  
184, 107) }
```

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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