

Converting Colors

XYZ(42.1243, 46.2780, 21.7800)

Have a look what the booklet for
XYZ(42.1243, 46.2780, 21.7800)
contains.

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Color

**XYZ(42.1029, 46.2057,
21.7385)**

Conversions

Conversions Part 1

Format	Color
Hex	C3B66F
RGB	195, 182, 111
RGB Percent	76%, 71%, 44%
CMY	0.2353, 0.2863, 0.5647
CMYK	0.00, 0.07, 0.43, 0.24
HSL	51°, 41%, 60%
HSV	51°, 43%, 76%
XYZ	42.1029, 46.2057, 21.7385
YIQ	177.7930, 30.5390, -19.3250

Conversions

Conversions Part 2

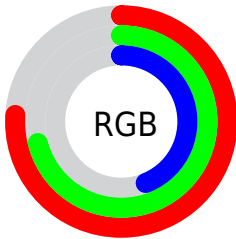
Format	Color
RYB	126, 195, 111
Decimal	12826223
CIELab	73.68, -5.40, 37.73
CIElCh	74, 38.110, 98.143
Yxy	46.2057, 0.3826, 0.4199
Android (android.graphics.Color)	4291016303 (0xFFC3B66F)
YUV	177.7930, -32.9289, 15.0905
Hunter-Lab	67.9748, -8.3947, 28.6213

Details

The XYZ color **42.1029, 46.2057, 21.7385** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **23.6134, 21.7344, 54.5803**, and the grayscale version is **42.3657, 44.5720, 48.5389**.

A 20% lighter version of the original color is **77.7834, 84.7121, 47.3734**, and **19.5078, 21.6129, 7.5584** is the 20% darker color. If you saturate the color by 10%, you get **40.5335, 44.6017, 16.4841**, and if you desaturate by 10%, it is **43.9223, 47.9344, 28.2336**.

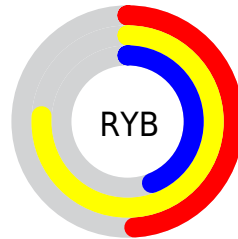
Distribution



Red (76%)

Green (71%)

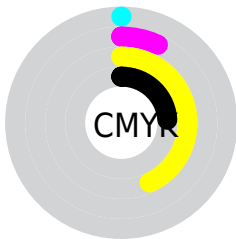
Blue (44%)



Red (49%)

Yellow (76%)

Blue (44%)

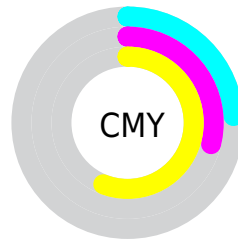


Cyan (0%)

Magenta (7%)

Yellow (43%)

Black (24%)



Cyan (24%)

Magenta (29%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1029, 46.2057, 21.7385 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 42.1029, 46.2057, 21.7385 by changing the saturation by 10% instead.

■ 42.1029, 46.2057,
21.7385

■ 42.1029, 46.2057,
21.7385

345.8937,
371.6350, 274.0864

■ 29.3733, 32.4082,
13.4684

■ 77.6195, 84.5268,
47.2100

■ 19.5091, 21.6735,
7.6174

■ 101.1373,
109.8191, 65.2486

■ 12.1449, 13.6172,
3.7669

■ 128.9818,
139.7118, 87.3803

■ 6.9153, 7.8549,
1.4983

■ 161.5185,
174.5893, 114.0239

■ 3.4551, 4.0022,
0.2167

199.1127,
214.8360, 145.5977

■ 1.3987, 1.6748,
0.0000

242.1297,

■ 0.2553, 0.4073,

260.8362, 182.5204

0.0000

290.9349,
312.9744, 225.2104

■ 0.0000, 0.0000,
0.0000

■ 42.1029, 46.2057,
21.7385

■ 42.1029, 46.2057,
21.7385

■ 40.5335, 44.6017,
16.4841

■ 43.9223, 47.9344,
28.2336

■ 39.1952, 43.1095,
12.3864

■ 46.0023, 49.7871,
36.0404

■ 38.0718, 41.7244,
9.3555


■ 48.3572, 51.7713,
45.2280


■ 37.1433, 40.4382,
7.2867


■ 50.9991, 53.8920,
55.8596


■ 36.3859, 39.2411,
6.0545


■ 53.9392, 56.1538,
67.9949

 35.9306, 38.4520,
5.5282

 57.1883, 58.5611,
81.6897

 60.7566, 61.1182,
96.9974

 62.6605, 63.0317,
103.4715

 63.3944, 64.4995,
103.7162

Harmonies

Analogous

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



48.9328, 46.2057, 23.0793



42.1029, 46.2057, 21.7385



36.3731, 46.2057, 26.3574

Triad

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



42.1029, 46.2057, 21.7385



34.4728, 46.2057, 76.9616



57.1098, 46.2057, 65.4700

Complementary

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



42.1029, 46.2057, 21.7385



23.6134, 21.7344, 54.5803

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.



52.4382, 46.2057, 85.6063



42.1029, 46.2057, 21.7385



39.2564, 46.2057, 93.3379

Square

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



42.1029, 46.2057, 21.7385



32.2726, 46.2057, 55.7653



45.7827, 46.2057, 96.8527



58.0716, 46.2057, 45.2229

Rectangle

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



42.1029, 46.2057, 21.7385



33.7823, 46.2057, 33.1187



45.7827, 46.2057, 96.8527



55.8997, 46.2057, 72.6105

Sweetspot

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



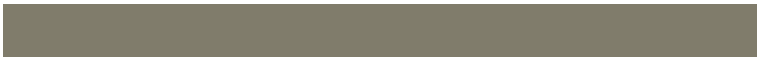
42.1040, 46.2078, 21.7395



86.5524, 92.6771, 80.7812



31.8921, 24.4522, 22.4415



18.7370, 20.1158, 16.8327



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.



42.1040, 46.2078, 21.7395



72.6664, 79.9571, 29.7491



38.3210, 48.3935, 22.3607



10.7764, 11.4843, 10.7106



23.4030, 25.0918, 3.6097



1.0478, 1.1573, 0.1682

Inverse Universe

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



23.6134, 21.7344, 54.5803



35.1485, 30.3276, 96.4711



26.1827, 20.7986, 54.2643



9.6513, 9.9940, 12.7052



6.7467, 3.2499, 33.8283



0.3323, 0.2220, 1.4752

Previews

White Background



This preview shows how the XYZ color 42.1029, 46.2057, 21.7385 looks on a white background.

Color Contrast Check

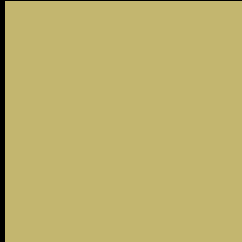
Large Text (above 18pt) WCAG AA × Fail

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 42.1029, 46.2057, 21.7385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

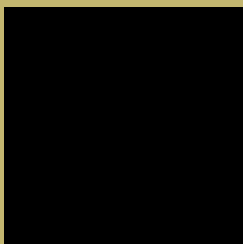
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

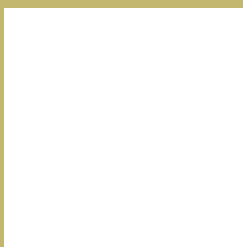
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.1029, 46.2057, 21.7385

Background



This preview shows how black text looks on a background with the XYZ color 42.1029, 46.2057, 21.7385.



This preview shows how white text looks on a background with the XYZ color 42.1029, 46.2057,

21.7385.

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

42.1029, 46.2057, 21.7385

Protanopia

42.6818, 46.2012, 21.7071

Deuteranopia

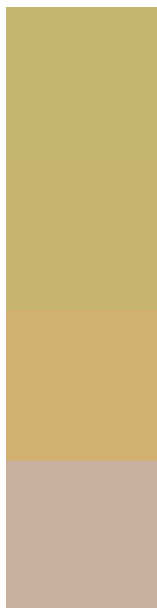
47.1376, 46.1395, 22.0442



Tritanopia

48.4351, 46.1288, 52.8053

Trichromacy



Original Color

42.1029, 46.2057, 21.7385

Protanomaly

42.4191, 46.0658, 21.6948

Deuteranomaly

45.0283, 45.9222, 21.8198

Tritanomaly

45.6028, 45.8332, 39.2441

Monochromacy



Original Color

42.1029, 46.2057, 21.7385

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

41.7200, 44.7636, 37.0132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1029, 46.2057, 21.7385 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(195, 182, 111)` looks like.

```
.text, #text, p{  
    color:rgb(195, 182, 111)  
}
```

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(195, 182, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 182, 111) }
```

Border

The CSS property to change the border of an element to XYZ 42.1029, 46.2057, 21.7385 is called "border". The border property can be set on classes, ids or directly on the HTML element.

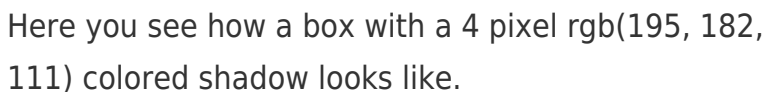
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(195, 182, 111) }
```


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

```
.border{ border-color:rgb(195, 182, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(195, 182, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 182, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 182, 111); box-shadow:4px 4px 4px 4px rgb(195, 182, 111) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1029, 46.2057, 21.7385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 182, 111) }
```

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

```
.background{ background-color: rgb(195,  
182, 111) }
```

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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