

Converting Colors

XYZ(42.6233, 49.9770, 21.2556)

Have a look what the booklet for
XYZ(42.6233, 49.9770, 21.2556)
contains.

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Color

**XYZ(42.7101, 50.0203,
21.3137)**

Conversions

Conversions Part 1

Format	Color
Hex	BDC16B
RGB	189, 193, 107
RGB Percent	74%, 76%, 42%
CMY	0.2588, 0.2431, 0.5804
CMYK	0.02, 0.00, 0.45, 0.24
HSL	63°, 41%, 59%
HSV	63°, 45%, 76%
XYZ	42.7101, 50.0203, 21.3137
YIQ	182.0000, 25.2220, -27.5940

Conversions

Conversions Part 2

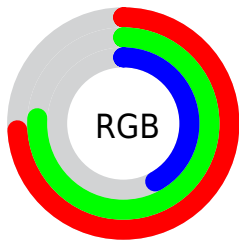
Format	Color
RYB	107, 193, 111
Decimal	12435819
CIELab	76.08, -13.93, 42.64
CIELCh	76, 44.854, 108.095
Yxy	50.0203, 0.3745, 0.4386
Android (android.graphics.Color)	4290625899 (0xFFBDC16B)
YUV	182.0000, -36.9750, 6.1390
Hunter-Lab	70.7250, -15.9745, 31.6399

Details

The XYZ color **42.7101, 50.0203, 21.3137** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.4406, 17.7463, 52.7504**, and the grayscale version is **44.6499, 46.9752, 51.1560**.

A 20% lighter version of the original color is **78.5786, 90.0636, 46.5002**, and **19.9481, 24.1199, 7.4751** is the 20% darker color. If you saturate the color by 10%, you get **41.5842, 49.5460, 16.5395**, and if you desaturate by 10%, it is **44.0665, 50.5905, 27.2836**.

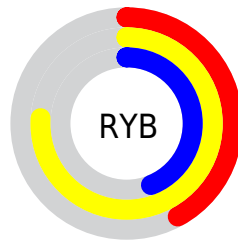
Distribution



Red (74%)

Green (76%)

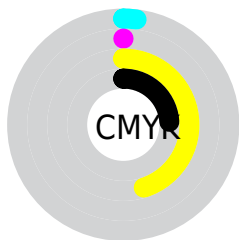
Blue (42%)



Red (42%)

Yellow (76%)

Blue (44%)

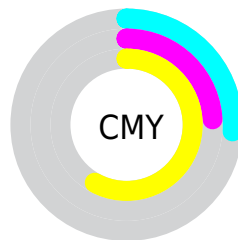


Cyan (2%)

Magenta (0%)

Yellow (45%)

Black (24%)



Cyan (26%)

Magenta (24%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7101, 50.0203, 21.3137 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 42.7101, 50.0203, 21.3137 by changing the saturation by 10% instead.

■ 42.7101, 50.0203,
21.3137

■ 42.7101, 50.0203,
21.3137

348.3600,
386.7453, 271.7766

■ 29.8513, 35.4295,
13.1600

■ 78.5317, 90.2050,
46.4966

■ 19.8732, 23.9939,
7.4068

■ 102.2251,
116.5676, 64.3629

■ 12.4107, 15.3291,
3.6355

■ 130.2607,
147.6230, 86.3038

■ 7.0982, 9.0507,
1.4276

■ 163.0040,
183.7556, 112.7379

■ 3.5705, 4.7743,
0.1631

200.8202,
225.3497, 144.0836

■ 1.4621, 2.1154,
0.0000

244.0746,

■ 0.2998, 0.6733,

272.7898, 180.7597

0.0000

293.1328,
326.4602, 223.1844

■ 0.0000, 0.0000,
0.0000

■ 42.7101, 50.0203,
21.3137

■ 42.7101, 50.0203,
21.3137

■ 41.5842, 49.5460,
16.5395

■ 44.0665, 50.5905,
27.2836

■ 40.6698, 49.1548,
12.8776

■ 45.6636, 51.2553,
34.5192

■ 39.9511, 48.8419,
10.2387


■ 47.5153, 52.0222,
43.0884


■ 39.4083, 48.5996,
8.5186


■ 49.6335, 52.8958,
53.0537

■ 39.0172, 48.4181,
7.5908


■ 52.0293, 53.8806,
64.4736

 38.8423, 48.3346,
7.2823

 54.7132, 54.9808,
77.4032

 57.6951, 56.2003,
91.8947

 59.9356, 57.1235,
102.4747

 60.1704, 57.2445,
102.4857

Harmonies

Analogous

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



50.9459, 50.0203, 20.6308



42.7101, 50.0203, 21.3137



36.5273, 50.0203, 29.0842

Triad

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



42.7101, 50.0203, 21.3137



37.5695, 50.0203, 96.5504



65.1228, 50.0203, 64.5518

Complementary

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



42.7101, 50.0203, 21.3137



21.4406, 17.7463, 52.7504

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.



60.5763, 50.0203, 91.4784



42.7101, 50.0203, 21.3137



44.2947, 50.0203, 113.2702

Square

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



42.7101, 50.0203, 21.3137



33.8085, 50.0203, 70.0964



52.7269, 50.0203, 111.1808



64.5687, 50.0203, 41.3471

Rectangle

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



42.7101, 50.0203, 21.3137



34.1013, 50.0203, 38.9937



52.7269, 50.0203, 111.1808



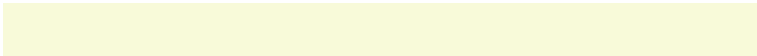
64.1204, 50.0203, 73.5638

Sweetspot

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



42.7113, 50.0226, 21.3147



85.5815, 93.3676, 79.4388



30.2094, 23.5233, 16.8588



18.1899, 19.9601, 16.2473



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



42.7113, 50.0226, 21.3147



74.6074, 88.7893, 30.1754



33.7822, 45.4195, 20.8969



10.8656, 11.7337, 10.7540



25.8525, 32.1563, 4.8442



1.1315, 1.3969, 0.2100

Inverse Universe

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



21.4406, 17.7463, 52.7504



31.9113, 23.9812, 93.3072



27.9966, 21.1261, 53.0572



9.5707, 9.7699, 12.6662



6.4958, 2.6092, 33.7179



0.2959, 0.1206, 1.4576

Previews

White Background



This preview shows how the XYZ color 42.7101, 50.0203, 21.3137 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 42.7101, 50.0203, 21.3137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

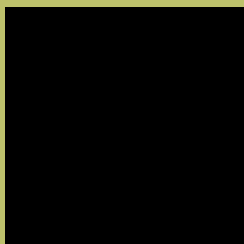
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.7101, 50.0203, 21.3137

Background



This preview shows how black text looks on a background with the XYZ color 42.7101, 50.0203, 21.3137.



This preview shows how white text looks on a background with the XYZ color 42.7101, 50.0203,

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

42.7101, 50.0203, 21.3137

Protanopia

45.9866, 50.1082, 20.6127

Deuteranopia

50.9295, 49.8600, 21.6915



Tritanopia

50.5647, 50.0403, 59.8170

Trichromacy



Original Color

42.7101, 50.0203, 21.3137

Protanomaly

44.8344, 50.1469, 20.9520

Deuteranomaly

47.6324, 49.6812, 21.5469

Tritanomaly

46.9768, 49.8231, 42.2628

Monochromacy



Original Color

42.7101, 50.0203, 21.3137

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.4829, 47.7987, 37.9446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7101, 50.0203, 21.3137 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(189, 193, 107)` looks like.

```
.text, #text, p{  
    color:rgb(189, 193, 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(189, 193, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 193, 107) }
```

Border

The CSS property to change the border of an element to XYZ 42.7101, 50.0203, 21.3137 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(189, 193, 107) }
```


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

```
.border{ border-color:rgb(189, 193, 107) }
```

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

Here you see how a box with a 4 pixel rgb(189, 193, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 193, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 193, 107);  
box-shadow:4px 4px 4px 4px rgb(189, 193,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7101, 50.0203, 21.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 193, 107) }
```

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

```
.background{ background-color: rgb(189,  
193, 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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