

Converting Colors

XYZ(42.3428, 45.1306, 21.5183)

Have a look what the booklet for
XYZ(42.3428, 45.1306, 21.5183)
contains.

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Color

**XYZ(42.3428, 45.1306,
21.5183)**

Conversions

Conversions Part 1

Format	Color
Hex	C7B26F
RGB	199, 178, 111
RGB Percent	78%, 70%, 44%
CMY	0.2196, 0.3019, 0.5647
CMYK	0.00, 0.11, 0.44, 0.22
HSL	46°, 44%, 61%
HSV	46°, 44%, 78%
XYZ	42.3428, 45.1306, 21.5183
YIQ	176.6410, 34.0230, -16.3850

Conversions

Conversions Part 2

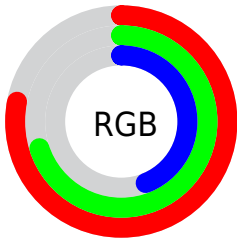
Format	Color
RYB	139, 199, 111
Decimal	13087343
CIELab	72.98, -1.65, 36.91
CIELCh	73, 36.951, 92.565
Yxy	45.1306, 0.3885, 0.4141
Android (android.graphics.Color)	4291277423 (0xFFC7B26F)
YUV	176.6410, -32.3610, 19.6088
Hunter-Lab	67.1793, -5.0561, 28.0343

Details

The XYZ color **42.3428, 45.1306, 21.5183** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **25.1153, 24.0047, 57.3423**, and the grayscale version is **41.7544, 43.9288, 47.8385**.

A 20% lighter version of the original color is **77.3637, 82.7860, 47.0237**, and **19.6309, 21.0983, 7.4526** is the 20% darker color. If you saturate the color by 10%, you get **40.4388, 42.8852, 16.0669**, and if you desaturate by 10%, it is **44.5258, 47.5433, 28.2679**.

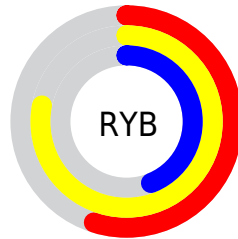
Distribution



Red (78%)

Green (70%)

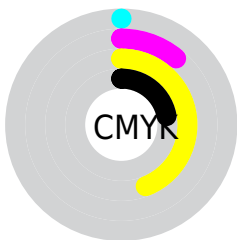
Blue (44%)



Red (55%)

Yellow (78%)

Blue (44%)

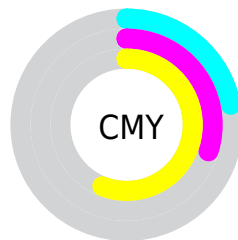


Cyan (0%)

Magenta (11%)

Yellow (44%)

Black (22%)



Cyan (22%)

Magenta (30%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.3428, 45.1306, 21.5183 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 42.3428, 45.1306, 21.5183 by changing the saturation by 10% instead.

■ 42.3428, 45.1306,
21.5183

■ 42.3428, 45.1306,
21.5183

346.8695,
367.3022, 272.8912

■ 29.5621, 31.5603,
13.3085

■ 77.9801, 82.9164,
46.8405

■ 19.6529, 21.0259,
7.5081

■ 101.5674,
107.9006, 64.7899

■ 12.2497, 13.1429,
3.6986

■ 129.4876,
137.4583, 86.8230

■ 6.9874, 7.5270,
1.4615

■ 162.1060,
171.9738, 113.3581

■ 3.5005, 3.7938,
0.1890

199.7881,
211.8316, 144.8140

■ 1.4236, 1.5589,
0.0000

242.8991,

■ 0.2730, 0.3297,

257.4160, 181.6091

0.0000

291.8045,
309.1114, 224.1620

■ 0.0000, 0.0000,
0.0000

■ 42.3428, 45.1306,
21.5183

■ 42.3428, 45.1306,
21.5183

■ 40.4388, 42.8852,
16.0669

■ 44.5258, 47.5433,
28.2679

■ 38.7939, 40.7935,
11.8246

■ 46.9997, 50.1235,
36.3915

■ 37.3903, 38.8496,
8.6950

■ 49.7796, 52.8795,
45.9624

■ 36.2064, 37.0444,
6.5663

■ 52.8787, 55.8169,
57.0476

■ 35.2161, 35.3667,
5.3024

■ 56.3091, 58.9412,
69.7101

■ 34.7040, 34.4438,
4.8192

■ 60.0824, 62.2575,
84.0093

■ 64.2096, 65.7707,
100.0016

■ 66.1557, 68.4672,
104.3365

■ 67.3896, 70.9350,
104.7478

Harmonies

Analogous

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



48.8650, 45.1306, 23.8822



42.3428, 45.1306, 21.5183



36.5620, 45.1306, 24.8781

Triad

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



42.3428, 45.1306, 21.5183



33.2718, 45.1306, 70.8366



54.8669, 45.1306, 67.3820

Complementary

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



42.3428, 45.1306, 21.5183



25.1153, 24.0047, 57.3423

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.



49.9208, 45.1306, 85.5502



42.3428, 45.1306, 21.5183



37.4327, 45.1306, 87.8706

Square

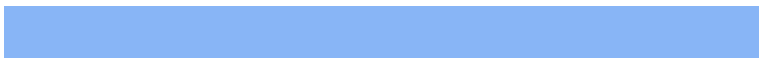
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



42.3428, 45.1306, 21.5183



31.6634, 45.1306, 50.7459



43.4525, 45.1306, 93.8313



56.5114, 45.1306, 47.5675

Rectangle

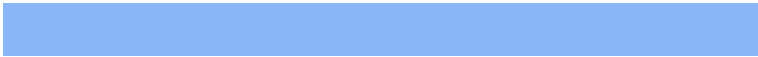
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



42.3428, 45.1306, 21.5183



33.7845, 45.1306, 30.5618



43.4525, 45.1306, 93.8313



53.5123, 45.1306, 74.0374

Sweetspot

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



42.3439, 45.1327, 21.5192



87.6933, 93.1031, 82.3507



33.4715, 25.2049, 25.2917



18.5237, 19.6892, 16.7616



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.



42.3439, 45.1327, 21.5192



70.9436, 75.2575, 28.5086



41.4242, 51.3416, 22.7661



11.3012, 11.9715, 11.2779



22.3860, 22.2892, 3.1224



1.1133, 1.1620, 0.1656

Inverse Universe

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



25.1153, 24.0047, 57.3423



37.0184, 33.6894, 99.1594



25.6665, 20.4795, 56.6328



10.2587, 10.6915, 13.4405



7.3522, 4.0984, 35.1479



0.4063, 0.3104, 1.6837

Previews

White Background



This preview shows how the XYZ color 42.3428, 45.1306, 21.5183 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 42.3428, 45.1306, 21.5183 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 42.3428, 45.1306, 21.5183

Background



This preview shows how black text looks on a background with the XYZ color 42.3428, 45.1306, 21.5183.



This preview shows how white text looks on a background with the XYZ color 42.3428, 45.1306,

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

42.3428, 45.1306, 21.5183

Protanopia

41.4950, 44.9900, 21.5358

Deuteranopia

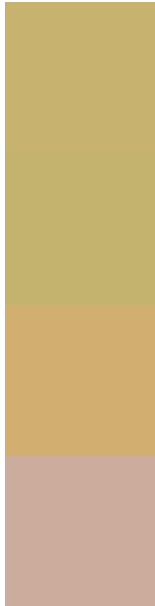
45.8064, 44.8946, 21.5805



Tritanopia

48.1888, 44.9166, 50.9297

Trichromacy



Original Color

42.3428, 45.1306, 21.5183

Protanomaly

41.7543, 45.1237, 21.5480

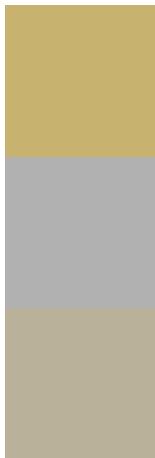
Deuteranomaly

44.6390, 45.1436, 21.6901

Tritanomaly

45.4669, 44.6359, 38.1175

Monochromacy



Original Color

42.3428, 45.1306, 21.5183

Achromatopsia

41.7894, 43.9657, 47.8787

Achromatomaly

41.4795, 44.0585, 36.4549

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3428, 45.1306, 21.5183 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(199, 178, 111)` looks like.

```
.text, #text, p{  
    color:rgb(199, 178, 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(199, 178, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 178, 111) }
```

Border

The CSS property to change the border of an element to XYZ 42.3428, 45.1306, 21.5183 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(199, 178, 111) }
```


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

```
.border{ border-color:rgb(199, 178, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 178, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 178, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 178, 111);  
box-shadow:4px 4px 4px 4px rgb(199, 178,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3428, 45.1306, 21.5183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 178, 111) }
```

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

```
.background{ background-color: rgb(199,  
178, 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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