

Converting Colors

XYZ(42.0125, 45.7957, 10.7628)

Have a look what the booklet for
XYZ(42.0125, 45.7957, 10.7628)
contains.

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Color

**XYZ(42.0125, 45.7957,
10.7628)**

Conversions

Conversions Part 1

Format	Color
Hex	CCB43B
RGB	204, 180, 59
RGB Percent	80%, 71%, 23%
CMY	0.2000, 0.2941, 0.7686
CMYK	0.00, 0.12, 0.71, 0.20
HSL	50°, 59%, 52%
HSV	50°, 71%, 80%
XYZ	42.0125, 45.7957, 10.7628
YIQ	173.3820, 53.1450, -32.5430

Conversions

Conversions Part 2

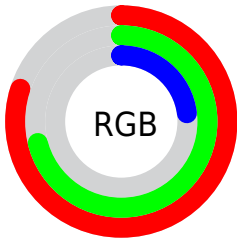
Format	Color
RYB	88, 204, 59
Decimal	13415483
CIELab	73.41, -4.52, 61.69
CIELCh	73, 61.852, 94.195
Yxy	45.7957, 0.4262, 0.4646
Android (android.graphics.Color)	4291605563 (0xFFCCB43B)
YUV	173.3820, -56.3903, 26.8520
Hunter-Lab	67.6725, -7.6104, 37.9411

Details

The XYZ color **42.0125, 45.7957, 10.7628** is a dark color, and the websafe version is hex **999900**. The color can be described as middle muted orange. A complement of this color would be **15.7959, 11.4756, 58.5087**, and the grayscale version is **40.1770, 42.2693, 46.0312**.

A 20% lighter version of the original color is **74.2161, 82.4432, 27.6243**, and **19.5732, 21.5493, 3.1278** is the 20% darker color. If you saturate the color by 10%, you get **40.9105, 44.2794, 8.2758**, and if you desaturate by 10%, it is **43.3399, 47.4322, 14.3455**.

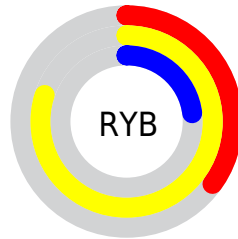
Distribution



Red (80%)

Green (71%)

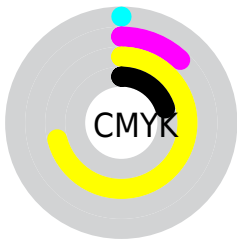
Blue (23%)



Red (35%)

Yellow (80%)

Blue (23%)

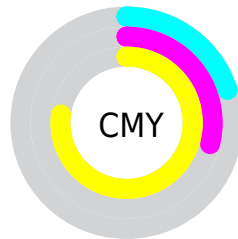


Cyan (0%)

Magenta (12%)

Yellow (71%)

Black (20%)



Cyan (20%)

Magenta (29%)

Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0125, 45.7957, 10.7628 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 42.0125, 45.7957, 10.7628 by changing the saturation by 10% instead.

■ 42.0125, 45.7957,
10.7628

■ 42.0125, 45.7957,
10.7628

345.5255,
369.9867, 206.7116

■ 29.3022, 32.0846,
5.7954

■ 77.4836, 83.9132,
27.8506

■ 19.4550, 21.4262,
2.6543

■ 100.9751,
109.0883, 40.8081

■ 12.1055, 13.4359,
0.9203

■ 128.7911,
138.8537, 57.2661

■ 6.8883, 7.7294,
0.0000

■ 161.2969,
173.5936, 77.6430

■ 3.4380, 3.9223,
0.0000

■ 198.8579,
213.6925, 102.3575

■ 1.3894, 1.6302,
0.0000

241.8394,

■ 0.2487, 0.3778,

259.5347, 131.8281

0.0000

290.6068,
311.5046, 166.4733

■ 0.0000, 0.0000,
0.0000

■ 42.0125, 45.7957,
10.7628

■ 42.0125, 45.7957,
10.7628

■ 40.9105, 44.2794,
8.2758

■ 43.3399, 47.4322,
14.3455

■ 40.0049, 42.8663,
6.7466

■ 44.9112, 49.1913,
19.1346

■ 39.3217, 41.6775,
5.9721

■ 46.7464, 51.0828,
25.2303

■ 48.8625, 53.1138,
32.7216

■ 51.2750, 55.2906,
41.6895

■ 53.9982, 57.6192,
52.2090

■ 57.0454, 60.1050,
64.3499

■ 60.4293, 62.7534,
78.1778

■ 64.1617, 65.5691,
93.7545

Harmonies

Analogous

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



53.3025, 45.7957, 12.9976



42.0125, 45.7957, 10.7628



32.7800, 45.7957, 14.8725

Triad

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



42.0125, 45.7957, 10.7628



28.3925, 45.7957, 91.7722



65.2517, 45.7957, 80.8199

Complementary

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



42.0125, 45.7957, 10.7628



15.7959, 11.4756, 58.5087

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.



56.3995, 45.7957, 117.8046



42.0125, 45.7957, 10.7628



35.0271, 45.7957, 125.7647

Square

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



42.0125, 45.7957, 10.7628



25.7936, 45.7957, 54.3838



45.0784, 45.7957, 136.8684



67.9519, 45.7957, 45.6013

Rectangle

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



42.0125, 45.7957, 10.7628



28.6475, 45.7957, 22.3478



45.0784, 45.7957, 136.8684



62.8318, 45.7957, 93.8637

Sweetspot

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



42.0136, 45.7979, 10.7637



84.8336, 91.4942, 68.7252



28.0337, 16.5927, 9.9432



17.9084, 19.3626, 13.7695



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.



42.0136, 45.7979, 10.7637



66.9600, 72.1338, 12.2490



36.0282, 50.5360, 11.9937



11.9897, 12.7683, 11.9120



24.8083, 26.3495, 3.7784



1.3230, 1.4456, 0.2093

Inverse Universe

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



15.7959, 11.4756, 58.5087



21.3152, 12.5501, 95.9067



18.5670, 10.6346, 58.2003



10.7493, 11.1390, 14.1539



7.2618, 3.5476, 36.2583



0.4226, 0.2790, 1.8865

Previews

White Background



This preview shows how the XYZ color 42.0125, 45.7957, 10.7628 looks on a white background.

Color Contrast Check

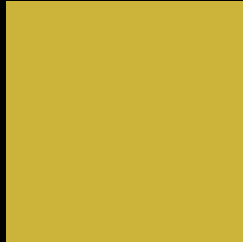
Large Text (above 18pt) WCAG AA × Fail

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 42.0125, 45.7957, 10.7628 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 42.0125, 45.7957, 10.7628

Background



This preview shows how black text looks on a background with the XYZ color 42.0125, 45.7957, 10.7628.



This preview shows how white text looks on a background with the XYZ color 42.0125, 45.7957,

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

42.0125, 45.7957, 10.7628

Protanopia

41.6704, 45.9201, 10.8049

Deuteranopia

46.4837, 45.4812, 10.8862



Tritanopia

50.0747, 45.6376, 49.8858

Trichromacy



Original Color

42.0125, 45.7957, 10.7628

Protanomaly

41.9419, 46.0600, 10.8176

Deuteranomaly

44.5936, 45.3607, 10.8200

Tritanomaly

45.8462, 45.0128, 29.9389

Monochromacy



Original Color

42.0125, 45.7957, 10.7628

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4574, 42.9070, 28.0320

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0125, 45.7957, 10.7628 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(204, 180, 59)` looks like.

```
.text, #text, p{  
    color:rgb(204, 180, 59)  
}
```

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(204, 180, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 180, 59) }
```

Border

The CSS property to change the border of an element to XYZ 42.0125, 45.7957, 10.7628 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(204, 180, 59) }
```


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

```
.border{ border-color:rgb(204, 180, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 180, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 180, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 180, 59);  
box-shadow:4px 4px 4px 4px rgb(204, 180,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0125, 45.7957, 10.7628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 180, 59) }
```

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

```
.background{ background-color: rgb(204,  
180, 59) }
```

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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