

Converting Colors

XYZ(41.9294, 45.2252, 29.8126)

Have a look what the booklet for
XYZ(41.9294, 45.2252, 29.8126)
contains.

XYZ(42.0004, 45.3672, 29.8356)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.0004, 45.3672,
29.8356)**

Conversions

Conversions Part 1

Format	Color
Hex	BEB488
RGB	190, 180, 136
RGB Percent	75%, 71%, 53%
CMY	0.2549, 0.2941, 0.4667
CMYK	0.00, 0.05, 0.28, 0.25
HSL	49°, 29%, 64%
HSV	49°, 28%, 75%
XYZ	42.0004, 45.3672, 29.8356
YIQ	177.9740, 20.0840, -11.5640

Conversions

Conversions Part 2

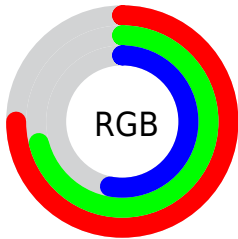
Format	Color
RYB	148, 190, 136
Decimal	12498056
CIELab	73.13, -3.35, 23.77
CIELCh	73, 24.009, 98.032
Yxy	45.3672, 0.3584, 0.3871
Android (android.graphics.Color)	4290688136 (0xFFBEB488)
YUV	177.9740, -20.6932, 10.5468
Hunter-Lab	67.3552, -6.5650, 20.8856

Details

The XYZ color **42.0004, 45.3672, 29.8356** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.7264, 29.5090, 52.8445**, and the grayscale version is **42.4027, 44.6109, 48.5813**.

A 20% lighter version of the original color is **77.6475, 83.4828, 60.7365**, and **19.4224, 21.0849, 11.8502** is the 20% darker color. If you saturate the color by 10%, you get **40.0674, 43.4739, 23.1096**, and if you desaturate by 10%, it is **44.1932, 47.3965, 37.8302**.

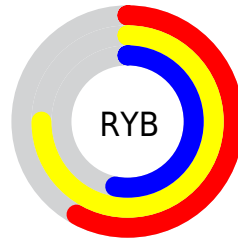
Distribution



Red (75%)

Green (71%)

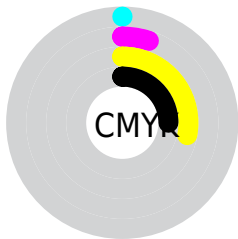
Blue (53%)



Red (58%)

Yellow (75%)

Blue (53%)

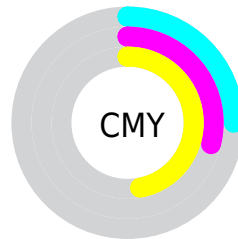


Cyan (0%)

Magenta (5%)

Yellow (28%)

Black (25%)



Cyan (25%)

Magenta (29%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0004, 45.3672, 29.8356 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 42.0004, 45.3672, 29.8356 by changing the saturation by 10% instead.

■ 42.0004, 45.3672,
29.8356

■ 42.0004, 45.3672,
29.8356

345.4762,
368.2587, 315.3208

■ 29.2927, 31.7468,
19.4628

■ 77.4654, 83.2712,
60.4600

■ 19.4478, 21.1681,
11.8250

■ 100.9534,
108.3235, 81.5488

■ 12.1002, 13.2470,
6.5035

■ 128.7656,
137.9552, 107.0466

■ 6.8846, 7.5988,
3.0799

161.2673,
172.5507, 137.3720

■ 3.4357, 3.8393,
1.1356

198.8238,
212.4944, 172.9436

■ 1.3882, 1.5841,
0.0000

241.8006,

■ 0.2478, 0.3468,

258.1707, 214.1799

0.0000

290.5629,
309.9640, 261.4995

■ 0.0000, 0.0000,
0.0000

■ 42.0004, 45.3672,
29.8356

■ 42.0004, 45.3672,
29.8356

■ 40.0674, 43.4739,
23.1096

■ 44.1932, 47.3965,
37.8302

■ 38.3779, 41.7049,
17.5828

■ 46.6540, 49.5604,
47.1524

■ 36.9191, 40.0567,
13.1833

■ 49.3952, 51.8657,
57.8607

■ 35.6756, 38.5228,
9.8305

■ 52.4272, 54.3168,
70.0095

■ 34.6299, 37.0960,
7.4330

■ 55.7599, 56.9178,
83.6500

■ 33.7615, 35.7678,
5.8836

■ 59.4025, 59.6727,
98.8311

■ 33.0373, 34.5249,
5.0089

■ 61.0268, 61.6503,
103.2910

■ 32.9283, 34.3332,
4.8915

■ 61.8756, 63.3479,
103.5739

■ 62.7435, 65.0835,
103.8632

Harmonies

Analogous

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



46.2156, 45.3672, 30.8865



42.0004, 45.3672, 29.8356



38.3288, 45.3672, 33.3130

Triad

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



42.0004, 45.3672, 29.8356



37.0609, 45.3672, 65.0785



51.0602, 45.3672, 58.5742

Complementary

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



42.0004, 45.3672, 29.8356



29.7264, 29.5090, 52.8445

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.



48.2951, 45.3672, 69.9696



42.0004, 45.3672, 29.8356



40.1662, 45.3672, 74.1297

Square

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



42.0004, 45.3672, 29.8356



35.6005, 45.3672, 52.7034



44.2597, 45.3672, 76.0518



51.6305, 45.3672, 46.2322

Rectangle

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



42.0004, 45.3672, 29.8356



36.6192, 45.3672, 38.1253



44.2597, 45.3672, 76.0518



50.3483, 45.3672, 62.6969

Sweetspot

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



42.0016, 45.3693, 29.8366



84.2032, 89.5174, 84.1381



35.2906, 30.6563, 31.5793



18.3402, 19.5274, 17.9008



92.9021, 97.7402, 106.4391



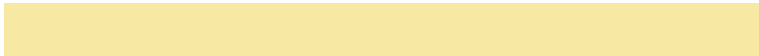
19.4759, 20.4902, 22.3138

Same Dimension

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



42.0016, 45.3693, 29.8366



73.9101, 80.0821, 46.3303



40.2688, 47.5805, 30.3547



10.1680, 10.8120, 10.1277



21.9487, 22.9362, 3.2703



0.8994, 0.9776, 0.1413

Inverse Universe

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



29.7264, 29.5090, 52.8445



48.0820, 46.7176, 94.7623



31.0853, 28.0213, 52.4857



9.1556, 9.5035, 12.0240



6.6261, 3.3639, 32.6930



0.3036, 0.2198, 1.2953

Previews

White Background



This preview shows how the XYZ color 42.0004, 45.3672, 29.8356 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 42.0004, 45.3672, 29.8356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

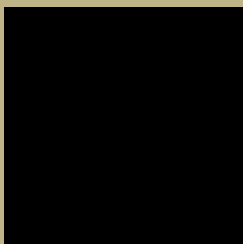
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

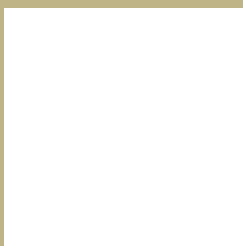
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0004, 45.3672, 29.8356

Background



This preview shows how black text looks on a background with the XYZ color 42.0004, 45.3672, 29.8356.



This preview shows how white text looks on a background with the XYZ color 42.0004, 45.3672,

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

42.0004, 45.3672, 29.8356

Protanopia

42.3023, 45.2242, 29.7921

Deuteranopia

46.2039, 45.1889, 30.3319



Tritanopia

46.6782, 45.2108, 53.2801

Trichromacy



Original Color

42.0004, 45.3672, 29.8356

Protanomaly

42.0499, 45.0941, 29.7803

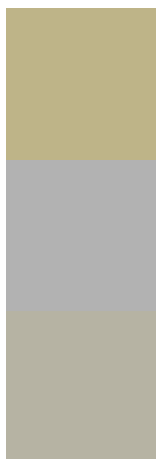
Deuteranomaly

44.4739, 45.1626, 30.0401

Tritanomaly

44.8414, 45.3472, 43.4353

Monochromacy



Original Color

42.0004, 45.3672, 29.8356

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.0224, 44.8296, 41.0885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0004, 45.3672, 29.8356 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(190, 180, 136)` looks like.

```
.text, #text, p{  
    color:rgb(190, 180, 136)  
}
```

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(190, 180, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 180, 136) }
```

Border

The CSS property to change the border of an element to XYZ 42.0004, 45.3672, 29.8356 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(190, 180, 136) }
```


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

```
.border{ border-color:rgb(190, 180, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 180, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 180, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 180, 136);  
box-shadow:4px 4px 4px 4px rgb(190, 180,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0004, 45.3672, 29.8356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 180, 136) }
```

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

```
.background{ background-color: rgb(190,  
180, 136) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor