

Converting Colors

XYZ(41.8688, 45.2786, 30.4649)

Have a look what the booklet for
XYZ(41.8688, 45.2786, 30.4649)
contains.

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Color

**XYZ(41.8950, 45.2963,
30.5797)**

Conversions

Conversions Part 1

Format	Color
Hex	BDB48A
RGB	189, 180, 138
RGB Percent	74%, 71%, 54%
CMY	0.2588, 0.2941, 0.4588
CMYK	0.00, 0.05, 0.27, 0.26
HSL	49°, 28%, 64%
HSV	49°, 27%, 74%
XYZ	41.8950, 45.2963, 30.5797
YIQ	177.9030, 18.8460, -11.1540

Conversions

Conversions Part 2

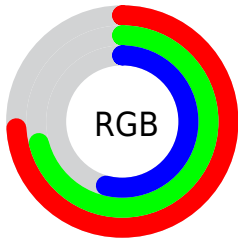
Format	Color
RYB	149, 189, 138
Decimal	12432522
CIELab	73.09, -3.47, 22.62
CIELCh	73, 22.888, 98.729
Yxy	45.2963, 0.3557, 0.3846
Android (android.graphics.Color)	4290622602 (0xFFBDB48A)
YUV	177.9030, -19.6722, 9.7321
Hunter-Lab	67.3025, -6.6654, 20.1727

Details

The XYZ color **41.8950, 45.2963, 30.5797** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **30.1002, 29.9442, 52.3377**, and the grayscale version is **42.3604, 44.5664, 48.5328**.

A 20% lighter version of the original color is **77.5159, 83.3895, 61.8794**, and **19.3425, 21.0342, 12.2731** is the 20% darker color. If you saturate the color by 10%, you get **39.9795, 43.4677, 23.7677**, and if you desaturate by 10%, it is **44.0672, 47.2567, 38.6531**.

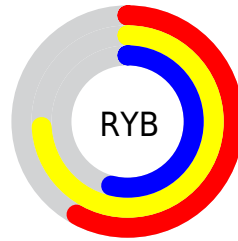
Distribution



Red (74%)

Green (71%)

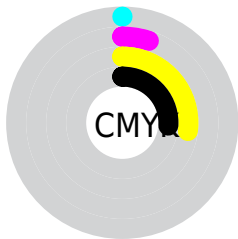
Blue (54%)



Red (58%)

Yellow (74%)

Blue (54%)

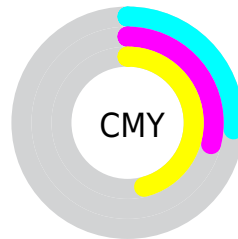


Cyan (0%)

Magenta (5%)

Yellow (27%)

Black (26%)



Cyan (26%)

Magenta (29%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.8950, 45.2963, 30.5797 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 41.8950, 45.2963, 30.5797 by changing the saturation by 10% instead.

■ 41.8950, 45.2963,
30.5797

■ 41.8950, 45.2963,
30.5797

345.0465,
367.9723, 318.8883

■ 29.2098, 31.6909,
20.0232

■ 77.3068, 83.1649,
61.6495

■ 19.3847, 21.1255,
12.2277

■ 100.7642,
108.1968, 83.0000

■ 12.0542, 13.2158,
6.7745

■ 128.5431,
137.8063, 108.7855

■ 6.8531, 7.5773,
3.2452

161.0087,
172.3779, 139.4247

■ 3.4159, 3.8257,
1.2212

198.5265,
212.2959, 175.3360

■ 1.3773, 1.5765,
0.0000

241.4619,

■ 0.2400, 0.3417,

257.9447, 216.9380

0.0000

290.1801,
309.7087, 264.6493

■ 0.0000, 0.0000,
0.0000

■ 41.8950, 45.2963,
30.5797

■ 41.8950, 45.2963,
30.5797

■ 39.9795, 43.4677,
23.7677

■ 44.0672, 47.2567,
38.6531

■ 38.3047, 41.7595,
18.1493

■ 46.5041, 49.3474,
48.0455

■ 36.8583, 40.1682,
13.6546

■ 49.2178, 51.5751,
58.8141

■ 35.6252, 38.6876,
10.2052

■ 52.2184, 53.9440,
71.0120

■ 34.5886, 37.3108,
7.7127

■ 55.5155, 56.4581,
84.6897

■ 33.7287, 36.0297,
6.0740

■ 59.1184, 59.1213,
99.8950

■ 33.0185, 34.8332,
5.1469

■ 60.4730, 60.9121,
103.1777

■ 32.8183, 34.4827,
4.9261

■ 61.2706, 62.5072,
103.4435

■ 62.0852, 64.1365,
103.7151

Harmonies

Analogous

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



45.9065, 45.2963, 31.4952



41.8950, 45.2963, 30.5797



38.4137, 45.2963, 34.0421

Triad

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



41.8950, 45.2963, 30.5797



37.3220, 45.2963, 64.4398



50.6326, 45.2963, 57.7587

Complementary

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



41.8950, 45.2963, 30.5797



30.1002, 29.9442, 52.3377

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.



48.0510, 45.2963, 68.5967



41.8950, 45.2963, 30.5797



40.3199, 45.2963, 72.8508

Square

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



41.8950, 45.2963, 30.5797



35.8830, 45.2963, 52.7422



44.2317, 45.2963, 74.4797



51.1192, 45.2963, 46.0491

Rectangle

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



41.8950, 45.2963, 30.5797



36.8023, 45.2963, 38.7377



44.2317, 45.2963, 74.4797



49.9737, 45.2963, 61.6728

Sweetspot

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



41.8962, 45.2983, 30.5807



82.7642, 87.9399, 84.0007



35.3692, 31.1139, 31.8900



17.6515, 18.7871, 17.4935



90.7827, 95.5105, 104.0109



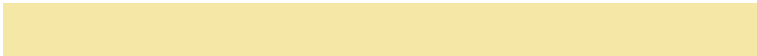
18.6292, 19.5994, 21.3438

Same Dimension

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



41.8962, 45.2983, 30.5807



73.0830, 79.2887, 47.7523



39.9859, 47.0977, 31.0286



10.1752, 10.8264, 10.1300



22.1312, 23.3011, 3.3311



0.9051, 0.9891, 0.1432

Inverse Universe

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



30.1002, 29.9442, 52.3377



48.6524, 47.4940, 92.8292



31.6293, 28.7364, 52.0240



9.1490, 9.4902, 12.0218



6.5928, 3.2972, 32.6819



0.3007, 0.2140, 1.2943

Previews

White Background



This preview shows how the XYZ color 41.8950, 45.2963, 30.5797 looks on a white background.

Color Contrast Check

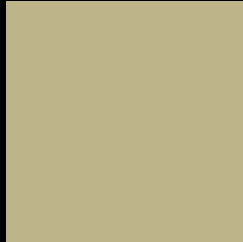
Large Text (above 18pt) WCAG AA × Fail

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 41.8950, 45.2963, 30.5797 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

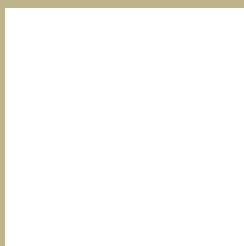
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 41.8950, 45.2963, 30.5797

Background



This preview shows how black text looks on a background with the XYZ color 41.8950, 45.2963, 30.5797.



This preview shows how white text looks on a background with the XYZ color 41.8950, 45.2963,

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

41.8950, 45.2963, 30.5797

Protanopia

42.4458, 45.2816, 30.5479

Deuteranopia

46.0645, 45.1001, 31.0883



Tritanopia

46.4189, 45.0771, 53.2679

Trichromacy



Original Color

41.8950, 45.2963, 30.5797

Protanomaly

42.1934, 45.1515, 30.5360

Deuteranomaly

44.3473, 45.0806, 30.7902

Tritanomaly

44.6791, 45.2527, 43.9159

Monochromacy



Original Color

41.8950, 45.2963, 30.5797

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 41.8950, 45.2963, 30.5797 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, 180, 138)` looks like.

```
.text, #text, p{  
    color:rgb(189, 180, 138)  
}
```

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, 180, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 180, 138) }
```

Border

The CSS property to change the border of an element to XYZ 41.8950, 45.2963, 30.5797 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, 180, 138) }
```


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

```
.border{ border-color:rgb(189, 180, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 180, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 180, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 180, 138); box-shadow:4px 4px 4px 4px rgb(189, 180, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 41.8950, 45.2963, 30.5797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 180, 138) }
```

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

```
.background{ background-color: rgb(189,  
180, 138) }
```

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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