

Converting Colors

XYZ(48.6889, 53.6295, 42.9073)

Have a look what the booklet for
XYZ(48.6889, 53.6295, 42.9073)
contains.

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Color

**XYZ(48.6889, 53.6295,
42.9073)**

Conversions

Conversions Part 1

Format	Color
Hex	C2C4A4
RGB	194, 196, 164
RGB Percent	76%, 77%, 64%
CMY	0.2392, 0.2314, 0.3569
CMYK	0.01, 0.00, 0.16, 0.23
HSL	64°, 21%, 71%
HSV	64°, 16%, 77%
XYZ	48.6889, 53.6295, 42.9073
YIQ	191.7540, 9.0800, -10.3760

Conversions

Conversions Part 2

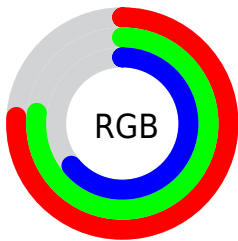
Format	Color
RYB	164, 196, 166
Decimal	12764324
CIELab	78.25, -6.16, 15.86
CIELCh	78, 17.017, 111.227
Yxy	53.6295, 0.3353, 0.3693
Android (android.graphics.Color)	4290954404 (0xFFC2C4A4)
YUV	191.7540, -13.6827, 1.9697
Hunter-Lab	73.2322, -9.4794, 16.5240

Details

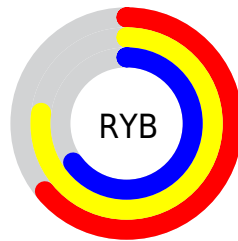
The XYZ color **48.6889, 53.6295, 42.9073** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.9672, 38.6448, 57.6329**, and the grayscale version is **50.0342, 52.6399, 57.3248**.

A 20% lighter version of the original color is **87.6951, 95.8743, 80.9014**, and **23.4128, 26.0913, 19.1314** is the 20% darker color. If you saturate the color by 10%, you get **46.7403, 52.8156, 34.2775**, and if you desaturate by 10%, it is **50.9158, 54.5586, 52.9763**.

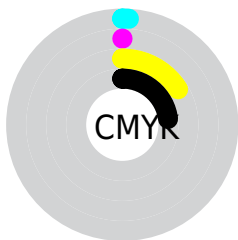
Distribution



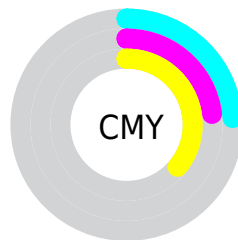
- Red (76%)
- Green (77%)
- Blue (64%)



- Red (64%)
- Yellow (77%)
- Blue (65%)



- Cyan (1%)
- Magenta (0%)
- Yellow (16%)
- Black (23%)





- Cyan (24%)
- Magenta (23%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.6889, 53.6295, 42.9073 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 48.6889, 53.6295, 42.9073 by changing the saturation by 10% instead.


 48.6889, 53.6295,
42.9073


 48.6889, 53.6295,
42.9073


372.0536,
400.6956, 374.1404

 34.5863, 38.3055,
29.4815


 87.4327, 95.5300,
80.8558

 23.5094, 26.2199,
19.1967


 112.8047,
122.8754, 106.2156

 15.0928, 16.9882,
11.6342


142.6637,
154.9967, 136.3905

 8.9713, 10.2261,
6.3756

177.3753,
192.2782, 171.7991

 4.7794, 5.5491,
3.0023

217.3047,
235.1045, 212.8598

 2.1519, 2.5729,
1.0958

262.8173,

 0.7172, 0.9131,

283.8599, 259.9912

0.0000

314.2785,
338.9288, 313.6119

■ 0.0000, 0.0000,
0.0000

■ 48.6889, 53.6295,
42.9073

■ 48.6889, 53.6295,
42.9073

■ 46.7403, 52.8156,
34.2775

■ 50.9158, 54.5586,
52.9763

■ 45.0534, 52.1049,
27.0180

■ 53.4283, 55.6005,
64.5425

■ 43.6160, 51.4943,
21.0592

■ 56.2390, 56.7619,
77.6649

■ 42.4135, 50.9780,
16.3241

■ 59.3582, 58.0470,
92.3982

■ 41.4298, 50.5494,
12.7276

■ 61.6473, 59.0004,
102.7468

■ 40.6467, 50.2014,
10.1737

■ 61.9767, 59.1702,
102.7622

■ 40.0429, 49.9254,
8.5508

■ 62.3088, 59.3414,
102.7778

■ 39.5911, 49.7106,
7.7151

■ 62.6436, 59.5140,
102.7934

■ 39.4437, 49.6391,
7.5024

■ 62.9810, 59.6879,
102.8092

Harmonies

Analogous

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



51.9565, 53.6295, 42.0740



48.6889, 53.6295, 42.9073



46.1403, 53.6295, 47.6415

Triad

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



48.6889, 53.6295, 42.9073



47.0660, 53.6295, 73.8961



57.5699, 53.6295, 61.2365

Complementary

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



48.6889, 53.6295, 42.9073



38.9672, 38.6448, 57.6329

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.



56.1323, 53.6295, 70.6523



48.6889, 53.6295, 42.9073



50.0024, 53.6295, 78.4660

Square

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



48.6889, 53.6295, 42.9073



45.2321, 53.6295, 65.2908



53.3279, 53.6295, 77.2184



57.1807, 53.6295, 51.9997

Rectangle

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



48.6889, 53.6295, 42.9073



45.1455, 53.6295, 52.6861



53.3279, 53.6295, 77.2184



57.2820, 53.6295, 64.4987

Sweetspot

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



48.6903, 53.6319, 42.9084



92.7715, 99.0547, 98.4313



43.0311, 41.5447, 40.8737



19.7907, 21.1743, 20.7656



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.



48.6903, 53.6319, 42.9084



86.7338, 96.5389, 71.1893



44.8947, 51.6752, 42.7308



10.8491, 11.7252, 10.7533



25.3703, 31.9077, 4.8216



1.1153, 1.3885, 0.2092

Inverse Universe

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



38.9672, 38.6448, 57.6329



65.4292, 63.6991, 103.4544



42.4380, 40.4341, 57.7953



9.5854, 9.7774, 12.6669



6.5281, 2.6258, 33.7194



0.3026, 0.1240, 1.4579

Previews

White Background



This preview shows how the XYZ color 48.6889, 53.6295, 42.9073 looks on a white background.

Color Contrast Check

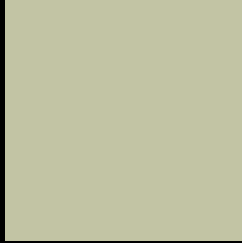
Large Text (above 18pt) WCAG AA × Fail

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 48.6889, 53.6295, 42.9073 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

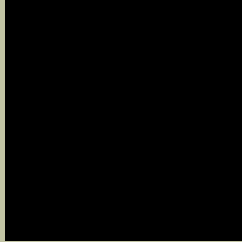
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

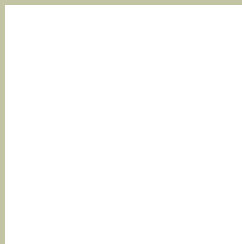
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.6889, 53.6295, 42.9073

Background



This preview shows how black text looks on a background with the XYZ color 48.6889, 53.6295, 42.9073.



This preview shows how white text looks on a background with the XYZ color 48.6889, 53.6295,

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

48.6889, 53.6295, 42.9073

Protanopia

50.4934, 53.5859, 41.8643

Deuteranopia

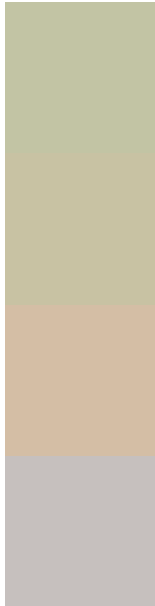
54.5660, 53.4006, 43.5078



Tritanopia

53.2523, 53.5140, 65.2802

Trichromacy



Original Color

48.6889, 53.6295, 42.9073

Protanomaly

49.7221, 53.5073, 42.3576

Deuteranomaly

52.3564, 53.5406, 43.1722

Tritanomaly

51.4326, 53.4227, 56.3160

Monochromacy



Original Color

48.6889, 53.6295, 42.9073

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.5058, 52.8548, 51.8487

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6889, 53.6295, 42.9073 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(194, 196, 164)` looks like.

```
.text, #text, p{  
    color:rgb(194, 196, 164)  
}
```

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(194, 196, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 196, 164) }
```

Border

The CSS property to change the border of an element to XYZ 48.6889, 53.6295, 42.9073 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(194, 196, 164) }
```


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

```
.border{ border-color:rgb(194, 196, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 196, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 196, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 196, 164);  
box-shadow:4px 4px 4px 4px rgb(194, 196,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6889, 53.6295, 42.9073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 196, 164) }
```

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

```
.background{ background-color: rgb(194,  
196, 164) }
```

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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