

Converting Colors

XYZ(40.2780, 43.4923, 20.7400)

Have a look what the booklet for
XYZ(40.2780, 43.4923, 20.7400)
contains.

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Color

**XYZ(40.2780, 43.4923,
20.7400)**

Conversions

Conversions Part 1

Format	Color
Hex	C1B06D
RGB	193, 176, 109
RGB Percent	76%, 69%, 43%
CMY	0.2431, 0.3098, 0.5725
CMYK	0.00, 0.09, 0.44, 0.24
HSL	48°, 40%, 59%
HSV	48°, 44%, 76%
XYZ	40.2780, 43.4923, 20.7400
YIQ	173.4450, 31.6390, -17.2330

Conversions

Conversions Part 2

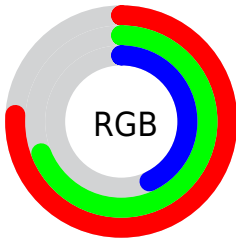
Format	Color
RYB	130, 193, 109
Decimal	12693613
CIELab	71.89, -3.27, 36.46
CIElCh	72, 36.602, 95.120
Yxy	43.4923, 0.3854, 0.4162
Android (android.graphics.Color)	4290883693 (0xFFC1B06D)
YUV	173.4450, -31.7714, 17.1497
Hunter-Lab	65.9487, -6.3918, 27.5182

Details

The XYZ color **40.2780, 43.4923, 20.7400** is a light color, and the websafe version is hex **999966**. A complement of this color would be **23.3930, 22.0225, 53.4698**, and the grayscale version is **40.0947, 42.1828, 45.9371**.

A 20% lighter version of the original color is **74.7926, 80.2343, 45.2630**, and **18.5045, 20.1448, 7.1880** is the 20% darker color. If you saturate the color by 10%, you get **38.5967, 41.6138, 15.6045**, and if you desaturate by 10%, it is **42.2116, 45.5101, 27.0860**.

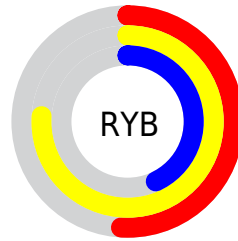
Distribution



Red (76%)

Green (69%)

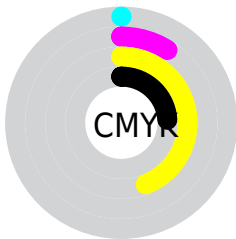
Blue (43%)



Red (51%)

Yellow (76%)

Blue (43%)

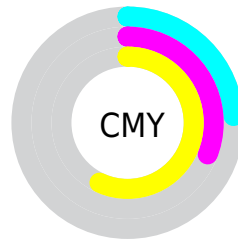


Cyan (0%)

Magenta (9%)

Yellow (44%)

Black (24%)



Cyan (24%)

Magenta (31%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2780, 43.4923, 20.7400 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 40.2780, 43.4923, 20.7400 by changing the saturation by 10% instead.

■ 40.2780, 43.4923,
20.7400

■ 40.2780, 43.4923,
20.7400

338.4083,
360.6325, 268.6290

■ 27.9405, 30.2716,
12.7447

■ 74.8683, 80.4532,
45.5296

■ 18.4211, 20.0448,
7.1243

■ 97.8519, 104.9622,
63.1609

■ 11.3542, 12.4276,
3.4603

■ 125.1148,
134.0028, 84.8414

■ 6.3747, 7.0356,
1.3342

■ 157.0226,
167.9592, 110.9895

■ 3.1170, 3.4844,
0.0896

193.9404,
207.2161, 142.0237

■ 1.2159, 1.3895,
0.0000

236.2338,

■ 0.1189, 0.2090,

252.1576, 178.3627

0.0000

284.2679,
303.1683, 220.4250

■ 0.0000, 0.0000,
0.0000

■ 40.2780, 43.4923,
20.7400

■ 40.2780, 43.4923,
20.7400

■ 38.5967, 41.6138,
15.6045

■ 42.2116, 45.5101,
27.0860

■ 37.1493, 39.8623,
11.5973

■ 44.4082, 47.6671,
34.7122

■ 35.9196, 38.2325,
8.6302

■ 46.8817, 49.9706,
43.6861

■ 34.8881, 36.7163,
6.6006

■ 49.6440, 52.4258,
54.0697

■ 34.0311, 35.3039,
5.3849

■ 52.7064, 55.0374,
65.9212

■ 33.5399, 34.4327,
4.8784

■ 56.0794, 57.8098,
79.2953

■ 59.7730, 60.7475,
94.2442

■ 62.4142, 63.3013,
103.5365

■ 63.3735, 65.2199,
103.8563

Harmonies

Analogous

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



46.5870, 43.4923, 22.5479



40.2780, 43.4923, 20.7400



34.8209, 43.4923, 24.4673

Triad

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



40.2780, 43.4923, 20.7400



32.2914, 43.4923, 69.9680



53.1889, 43.4923, 63.3101

Complementary

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



40.2780, 43.4923, 20.7400



23.3930, 22.0225, 53.4698

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.



48.6217, 43.4923, 81.3356



40.2780, 43.4923, 20.7400



36.4991, 43.4923, 85.8073

Square

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



40.2780, 43.4923, 20.7400



30.5154, 43.4923, 50.4847



42.4167, 43.4923, 90.4176



54.4579, 43.4923, 44.3588

Rectangle

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



40.2780, 43.4923, 20.7400



32.2670, 43.4923, 30.3176



42.4167, 43.4923, 90.4176



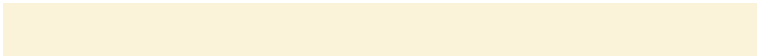
51.9675, 43.4923, 69.8153

Sweetspot

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



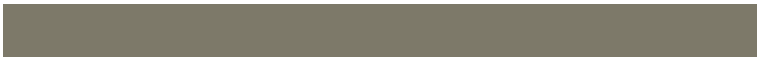
40.2791, 43.4943, 20.7409



84.1153, 89.6340, 78.7954



31.3051, 23.8127, 23.0940



17.8236, 19.0270, 16.0865



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.



40.2791, 43.4943, 20.7409



69.3263, 74.7616, 28.5306



38.2356, 47.7013, 21.6606



10.7348, 11.4010, 10.6967



22.3658, 23.0174, 3.2640



1.0113, 1.0844, 0.1560

Inverse Universe

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



23.3930, 22.0225, 53.4698



35.2952, 31.5184, 94.5837



24.7360, 19.7584, 52.9620



9.6897, 10.0707, 12.7180



6.9324, 3.6212, 33.8902



0.3494, 0.2562, 1.4809

Previews

White Background



This preview shows how the XYZ color 40.2780, 43.4923, 20.7400 looks on a white background.

Color Contrast Check

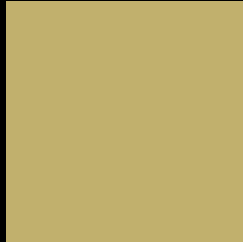
Large Text (above 18pt) WCAG AA × Fail

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 40.2780, 43.4923, 20.7400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

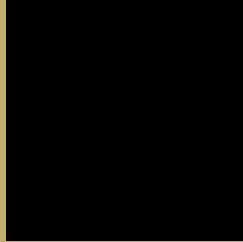
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.2780, 43.4923, 20.7400

Background



This preview shows how black text looks on a background with the XYZ color 40.2780, 43.4923, 20.7400.



This preview shows how white text looks on a background with the XYZ color 40.2780, 43.4923,

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

40.2780, 43.4923, 20.7400

Protanopia

40.0239, 43.3613, 20.7281

Deuteranopia

44.3124, 43.2991, 21.0610



Tritanopia

45.8764, 43.2121, 49.1028

Trichromacy



Original Color

40.2780, 43.4923, 20.7400

Protanomaly

40.0239, 43.3613, 20.7281

Deuteranomaly

42.8310, 43.3734, 20.8663

Tritanomaly

43.2334, 42.9529, 36.5839

Monochromacy



Original Color

40.2780, 43.4923, 20.7400

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.4635, 42.1774, 34.9153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2780, 43.4923, 20.7400 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(193, 176, 109)` looks like.

```
.text, #text, p{  
    color:rgb(193, 176, 109)  
}
```

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(193, 176, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 176, 109) }
```

Border

The CSS property to change the border of an element to XYZ 40.2780, 43.4923, 20.7400 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(193, 176, 109) }
```


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

```
.border{ border-color:rgb(193, 176, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 176, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 176, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 176, 109);  
box-shadow:4px 4px 4px 4px rgb(193, 176,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2780, 43.4923, 20.7400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 176, 109) }
```

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

```
.background{ background-color: rgb(193,  
176, 109) }
```

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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