

Converting Colors

XYZ(41.0089, 42.3014, 23.8424)

Have a look what the booklet for
XYZ(41.0089, 42.3014, 23.8424)
contains.

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Color

**XYZ(40.9790, 42.3522,
23.7843)**

Conversions

Conversions Part 1

Format	Color
Hex	C5AB78
RGB	197, 171, 120
RGB Percent	77%, 67%, 47%
CMY	0.2275, 0.3294, 0.5294
CMYK	0.00, 0.13, 0.39, 0.23
HSL	40°, 40%, 62%
HSV	40°, 39%, 77%
XYZ	40.9790, 42.3522, 23.7843
YIQ	172.9600, 31.8670, -10.3490

Conversions

Conversions Part 2

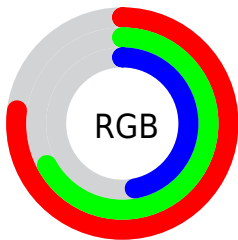
Format	Color
RYB	159, 197, 120
Decimal	12954488
CIELab	71.11, 2.24, 29.74
CIELCh	71, 29.829, 85.695
Yxy	42.3522, 0.3826, 0.3954
Android (android.graphics.Color)	4291144568 (0xFFC5AB78)
YUV	172.9600, -26.1093, 21.0831
Hunter-Lab	65.0786, -1.4887, 23.8862

Details

The XYZ color **40.9790, 42.3522, 23.7843** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **28.1023, 28.5811, 56.8587**, and the grayscale version is **39.8185, 41.8922, 45.6206**.

A 20% lighter version of the original color is **75.9792, 78.6698, 50.7154**, and **18.8895, 19.3994, 8.7101** is the 20% darker color. If you saturate the color by 10%, you get **38.6798, 39.4742, 17.7140**, and if you desaturate by 10%, it is **43.5896, 45.4590, 31.1729**.

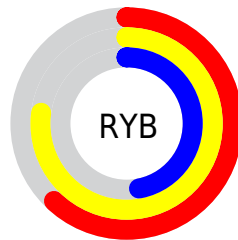
Distribution



Red (77%)

Green (67%)

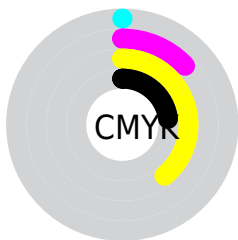
Blue (47%)



Red (62%)

Yellow (77%)

Blue (47%)

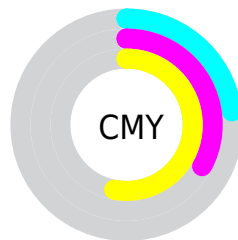


Cyan (0%)

Magenta (13%)

Yellow (39%)

Black (23%)



Cyan (23%)


Magenta (33%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9790, 42.3522, 23.7843 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 40.9790, 42.3522, 23.7843 by changing the saturation by 10% instead.


 40.9790, 42.3522,
23.7843


 40.9790, 42.3522,
23.7843


341.2969,
355.9409, 284.9795

 28.4903, 29.3772,
14.9630


 75.9269, 78.7324,
50.6174

 18.8379, 19.3663,
8.6471


 99.1168, 102.9063,
69.4662

 11.6565, 11.9353,
4.4180


 126.6045,
131.5820, 92.4947

 6.5808, 6.6996,
1.8574

158.7553,
165.1439, 120.1212

 3.2453, 3.2750,
0.4654

195.9346,
203.9763, 152.7644

 1.2848, 1.2769,
0.0000

238.5077,

 0.1718, 0.1232,

248.4637, 190.8429

0.0000

286.8401,
298.9904, 234.7750

■ 0.0000, 0.0000,
0.0000

■ 40.9790, 42.3522,
23.7843

■ 40.9790, 42.3522,
23.7843

■ 38.6798, 39.4742,
17.7140

■ 43.5896, 45.4590,
31.1729

■ 36.6726, 36.8112,
12.8789

■ 46.5231, 48.7960,
39.9505

■ 34.9407, 34.3564,
9.1909

■ 49.7944, 52.3721,
50.1862

■ 33.4640, 32.1004,
6.5486

■ 53.4163, 56.1938,
61.9434

■ 32.2188, 30.0320,
4.8328

■ 57.4010, 60.2674,
75.2818

■ 31.1656, 28.1339,
3.8395

■ 61.7600, 64.5988,
90.2581

■ 31.0742, 27.9669,
3.7604

■ 66.0334, 69.0053,
104.4468

■ 67.7883, 72.5151,
105.0317

■ 69.6131, 76.1648,
105.6400

Harmonies

Analogous

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



45.9072, 42.3522, 26.9382



40.9790, 42.3522, 23.7843



36.2366, 42.3522, 25.5224

Triad

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



40.9790, 42.3522, 23.7843



32.2136, 42.3522, 59.0822



48.7107, 42.3522, 63.3975

Complementary

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



40.9790, 42.3522, 23.7843



28.1023, 28.5811, 56.8587

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.



44.5590, 42.3522, 75.5680



40.9790, 42.3522, 23.7843



35.0860, 42.3522, 72.7372

Square

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



40.9790, 42.3522, 23.7843



31.4258, 42.3522, 44.0823



39.5386, 42.3522, 79.2962



50.5988, 42.3522, 48.2079

Rectangle

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



40.9790, 42.3522, 23.7843



33.7720, 42.3522, 29.4624



39.5386, 42.3522, 79.2962



47.5176, 42.3522, 68.0906

Sweetspot

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



40.9801, 42.3542, 23.7852



87.3014, 91.7685, 83.9176



35.0052, 27.4087, 31.0291



18.5176, 19.4589, 17.4321



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.



40.9801, 42.3542, 23.7852



69.8068, 71.3797, 33.0755



43.4728, 51.6589, 25.4498



11.2107, 11.7905, 11.2477



20.5187, 18.5546, 2.4999



1.0365, 1.0085, 0.1400

Inverse Universe

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



28.1023, 28.5811, 56.8587



43.5151, 43.2819, 100.6685



26.2404, 22.3340, 55.7511



10.3445, 10.8630, 13.4690



7.9996, 5.3931, 35.3637



0.4460, 0.3898, 1.6969

Previews

White Background



This preview shows how the XYZ color 40.9790, 42.3522, 23.7843 looks on a white background.

Color Contrast Check

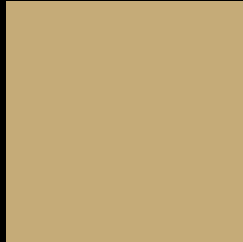
Large Text (above 18pt) WCAG AA × Fail

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 40.9790, 42.3522, 23.7843 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

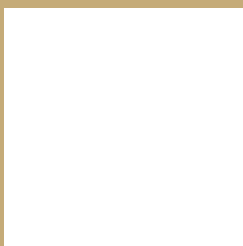
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.9790, 42.3522, 23.7843

Background



This preview shows how black text looks on a background with the XYZ color 40.9790, 42.3522, 23.7843.



This preview shows how white text looks on a background with the XYZ color 40.9790, 42.3522,

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

40.9790, 42.3522, 23.7843

Protanopia

39.3263, 42.3439, 24.1896

Deuteranopia

43.2823, 42.4278, 23.9973



Tritanopia

45.7405, 42.3820, 46.8441

Trichromacy



Original Color

40.9790, 42.3522, 23.7843

Protanomaly

39.8806, 42.3440, 24.1604

Deuteranomaly

42.3557, 42.2231, 24.0067

Tritanomaly

43.9069, 42.4552, 37.3330

Monochromacy



Original Color

40.9790, 42.3522, 23.7843

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.8767, 41.7832, 36.5351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9790, 42.3522, 23.7843 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(197, 171, 120)` looks like.

```
.text, #text, p{  
    color:rgb(197, 171, 120)  
}
```

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(197, 171, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 171, 120) }
```

Border

The CSS property to change the border of an element to XYZ 40.9790, 42.3522, 23.7843 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(197, 171, 120) }
```


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

```
.border{ border-color:rgb(197, 171, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 171, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 171, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 171, 120);  
box-shadow:4px 4px 4px 4px rgb(197, 171,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9790, 42.3522, 23.7843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 171, 120) }
```

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

```
.background{ background-color: rgb(197,  
171, 120) }
```

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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