

Converting Colors

XYZ(40.6699, 43.0752, 20.0548)

Have a look what the booklet for
XYZ(40.6699, 43.0752, 20.0548)
contains.

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Color

**XYZ(40.8159, 43.2040,
20.0979)**

Conversions

Conversions Part 1

Format	Color
Hex	C5AE6B
RGB	197, 174, 107
RGB Percent	77%, 68%, 42%
CMY	0.2275, 0.3176, 0.5804
CMYK	0.00, 0.12, 0.46, 0.23
HSL	45°, 44%, 60%
HSV	45°, 46%, 77%
XYZ	40.8159, 43.2040, 20.0979
YIQ	173.2390, 35.2150, -15.9610

Conversions

Conversions Part 2

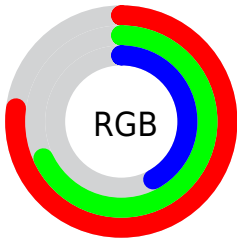
Format	Color
RYB	138, 197, 107
Decimal	12955243
CIELab	71.69, -0.76, 37.32
CIELCh	72, 37.328, 91.171
Yxy	43.2040, 0.3920, 0.4150
Android (android.graphics.Color)	4291145323 (0xFFC5AE6B)
YUV	173.2390, -32.6558, 20.8384
Hunter-Lab	65.7297, -4.1847, 27.8820

Details

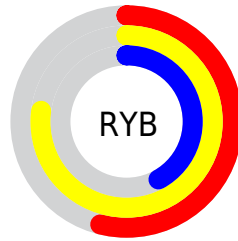
The XYZ color **40.8159, 43.2040, 20.0979** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **24.1239, 23.1215, 56.0147**, and the grayscale version is **39.9923, 42.0751, 45.8197**.

A 20% lighter version of the original color is **75.5173, 79.8018, 44.2240**, and **18.7078, 19.8873, 6.8556** is the 20% darker color. If you saturate the color by 10%, you get **38.9413, 40.9288, 14.9293**, and if you desaturate by 10%, it is **42.9652, 45.6505, 26.5239**.

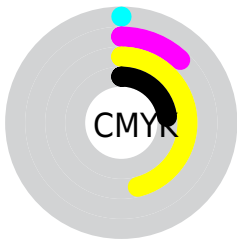
Distribution



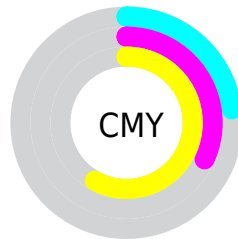
- Red (77%)
- Green (68%)
- Blue (42%)



- Red (54%)
- Yellow (77%)
- Blue (42%)



- Cyan (0%)
- Magenta (12%)
- Yellow (46%)
- Black (23%)





- Cyan (23%)
- Magenta (32%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.8159, 43.2040, 20.0979 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 40.8159, 43.2040, 20.0979 by changing the saturation by 10% instead.


 40.8159, 43.2040,
20.0979


 40.8159, 43.2040,
20.0979


340.6263,
359.4500, 265.0664


 28.3623, 30.0452,
12.2814


 75.6808, 80.0186,
44.4424


 18.7408, 19.8729,
6.8108


 98.8228, 104.4432,
61.8075

 11.5860, 12.3027,
3.2674


 126.2584,
133.3919, 83.1926

 6.5326, 6.9502,
1.2327

 158.3528,
167.2490, 109.0162

 3.2153, 3.4310,
0.0057

195.4715,
206.3990, 139.6968

 1.2686, 1.3606,
0.0000

237.9797,

 0.1595, 0.1874,

251.2263, 175.6530

0.0000

286.2429,
302.1151, 217.3033

■ 0.0000, 0.0000,
0.0000

■ 40.8159, 43.2040,
20.0979

■ 40.8159, 43.2040,
20.0979

■ 38.9413, 40.9288,
14.9293

■ 42.9652, 45.6505,
26.5239

■ 37.3217, 38.8117,
10.9297

■ 45.4010, 48.2691,
34.2823

■ 35.9392, 36.8465,
8.0036

■ 48.1385, 51.0678,
43.4454

■ 34.7724, 35.0240,
6.0389

■ 51.1905, 54.0525,
54.0792

■ 33.7944, 33.3327,
4.8968

■ 54.5692, 57.2285,
66.2459

■ 33.4078, 32.6340,
4.5382

■ 58.2859, 60.6011,
80.0039

■ 62.3516, 64.1752,
95.4085

■ 65.1915, 67.3215,
104.1661

■ 66.4873, 69.9131,
104.5981

Harmonies

Analogous

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



47.2142, 43.2040, 22.6438



40.8159, 43.2040, 20.0979



35.0834, 43.2040, 23.0841

Triad

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



40.8159, 43.2040, 20.0979



31.5095, 43.2040, 67.4789



52.6709, 43.2040, 65.9219

Complementary

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



40.8159, 43.2040, 20.0979



24.1239, 23.1215, 56.0147

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.



47.6885, 43.2040, 83.5947



40.8159, 43.2040, 20.0979



35.4727, 43.2040, 84.6440

Square

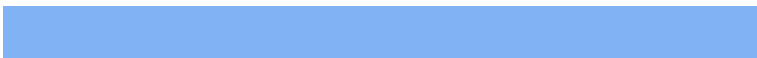
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.8159, 43.2040, 20.0979



30.0622, 43.2040, 47.7577



41.3133, 43.2040, 91.1829



54.4680, 43.2040, 46.3331

Rectangle

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



40.8159, 43.2040, 20.0979



32.2970, 43.2040, 28.4031



41.3133, 43.2040, 91.1829



51.2895, 43.2040, 72.4439

Sweetspot

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



40.8170, 43.2060, 20.0988



86.9846, 92.2280, 80.4423



32.3807, 24.0248, 24.4039



18.3743, 19.4972, 16.3829



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.



40.8170, 43.2060, 20.0988



69.6949, 73.2416, 26.6081



40.5248, 50.2242, 21.4688



11.2856, 11.9404, 11.2727



22.0438, 21.6047, 3.0083



1.0995, 1.1344, 0.1610

Inverse Universe

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



24.1239, 23.1215, 56.0147



36.0872, 32.8475, 99.0459



24.2383, 19.1363, 55.2395



10.2733, 10.7207, 13.4453



7.4461, 4.2861, 35.1792



0.4129, 0.3236, 1.6858

Previews

White Background



This preview shows how the XYZ color 40.8159, 43.2040, 20.0979 looks on a white background.

Color Contrast Check

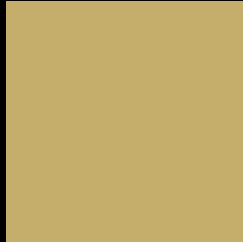
Large Text (above 18pt) WCAG AA × Fail

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 40.8159, 43.2040, 20.0979 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

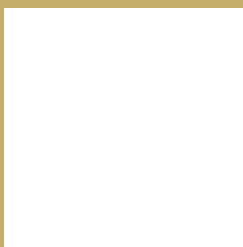
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8159, 43.2040, 20.0979

Background



This preview shows how black text looks on a background with the XYZ color 40.8159, 43.2040, 20.0979.

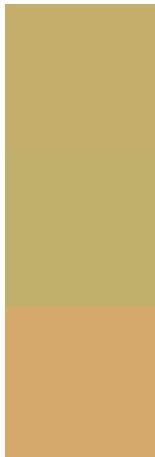


This preview shows how white text looks on a background with the XYZ color 40.8159, 43.2040,

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

40.8159, 43.2040, 20.0979

Protanopia

39.9703, 43.3398, 20.4461

Deuteranopia

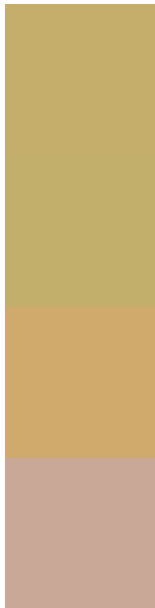
44.1500, 43.2341, 20.2054



Tritanopia

46.3929, 42.9620, 47.9668

Trichromacy



Original Color

40.8159, 43.2040, 20.0979

Protanomaly

40.2849, 43.2120, 20.4049

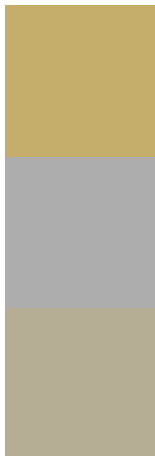
Deuteranomaly

42.8136, 43.0976, 20.2495

Tritanomaly

43.7575, 42.6898, 35.6394

Monochromacy



Original Color

40.8159, 43.2040, 20.0979

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

39.6598, 42.0021, 34.4507

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8159, 43.2040, 20.0979 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, 174, 107)` looks like.

```
.text, #text, p{  
    color:rgb(197, 174, 107)  
}
```

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, 174, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 174, 107) }
```

Border

The CSS property to change the border of an element to XYZ 40.8159, 43.2040, 20.0979 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, 174, 107) }
```


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

```
.border{ border-color:rgb(197, 174, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 174, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 174, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 174, 107);  
box-shadow:4px 4px 4px 4px rgb(197, 174,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8159, 43.2040, 20.0979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 174, 107) }
```

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

```
.background{ background-color: rgb(197,  
174, 107) }
```

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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