

Converting Colors

XYZ(49.6701, 52.6643, 40.5807)

Have a look what the booklet for
XYZ(49.6701, 52.6643, 40.5807)
contains.

XYZ(49.6046, 52.4962, 40.7760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.6046, 52.4962,
40.7760)**

Conversions

Conversions Part 1

Format	Color
Hex	CBBFA0
RGB	203, 191, 160
RGB Percent	80%, 75%, 63%
CMY	0.2039, 0.2510, 0.3725
CMYK	0.00, 0.06, 0.21, 0.20
HSL	43°, 29%, 71%
HSV	43°, 21%, 80%
XYZ	49.6046, 52.4962, 40.7760
YIQ	191.0540, 17.1030, -7.0970

Conversions

Conversions Part 2

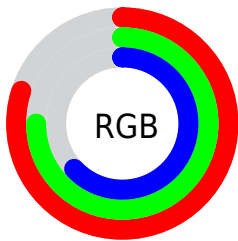
Format	Color
RYB	177, 203, 160
Decimal	13352864
CIELab	77.58, -0.79, 17.18
CIELCh	78, 17.197, 92.623
Yxy	52.4962, 0.3472, 0.3674
Android (android.graphics.Color)	4291542944 (0xFFCBBFA0)
YUV	191.0540, -15.3096, 10.4766
Hunter-Lab	72.4543, -4.5879, 17.3506

Details

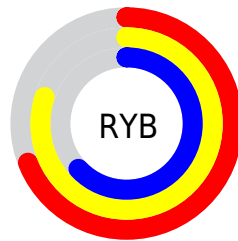
The XYZ color **49.6046, 52.4962, 40.7760** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.0290, 41.2895, 62.3602**, and the grayscale version is **49.6328, 52.2176, 56.8649**.

A 20% lighter version of the original color is **86.7665, 92.6878, 77.6074**, and **24.1897, 25.6492, 17.8632** is the 20% darker color. If you saturate the color by 10%, you get **46.7610, 49.4224, 31.7706**, and if you desaturate by 10%, it is **52.7888, 55.7862, 51.3268**.

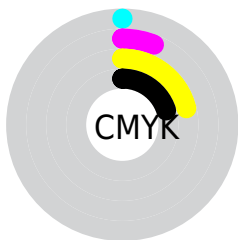
Distribution



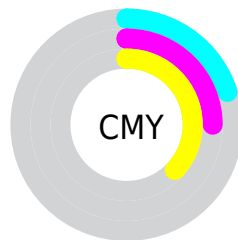
- Red (80%)
- Green (75%)
- Blue (63%)



- Red (69%)
- Yellow (80%)
- Blue (63%)



- Cyan (0%)
- Magenta (6%)
- Yellow (21%)
- Black (20%)





- Cyan (20%)
- Magenta (25%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6046, 52.4962, 40.7760 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 49.6046, 52.4962, 40.7760 by changing the saturation by 10% instead.


 49.6046, 52.4962,
40.7760


 49.6046, 52.4962,
40.7760


375.5953,
396.3492, 365.0324

 35.3158, 37.4007,
27.8257


 88.7841, 93.8626,
77.5937

 24.0739, 25.5179,
17.9564


 114.4055,
120.9024, 102.2982

 15.5135, 16.4633,
10.7496


144.5352,
152.6923, 131.7579

 9.2692, 9.8526,
5.7867

179.5386,
189.6169, 166.3912

 4.9757, 5.3013,
2.6491

219.7809,
232.0605, 206.6168

 2.2676, 2.4251,
0.9177

265.6275,

 0.7780, 0.8388,

280.4075, 252.8532

0.0000

317.4439,
335.0423, 305.5189

■ 0.0000, 0.0000,
0.0000

■ 49.6046, 52.4962,
40.7760

■ 49.6046, 52.4962,
40.7760

■ 46.7610, 49.4224,
31.7706

■ 52.7888, 55.7862,
51.3268

■ 44.2392, 46.5512,
24.2330

■ 56.3229, 59.2917,
63.4888

■ 42.0248, 43.8776,
18.0841

■ 60.2214, 63.0209,
77.3282

■ 40.1006, 41.3939,
13.2355

■ 64.4961, 66.9796,
92.9062

■ 38.4474, 39.0915,
9.5892

■ 68.0941, 70.7472,
104.6744

■ 37.0433, 36.9607,
7.0325

■ 69.5996, 73.7583,
105.1762

■ 35.8623, 34.9903,
5.4317

■ 71.1560, 76.8710,
105.6950

■ 34.9647, 33.3684,
4.5979

■ 72.7636, 80.0863,
106.2309

■ 74.4229, 83.4050,
106.7840

Harmonies

Analogous

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



52.8888, 52.4962, 42.4166



49.6046, 52.4962, 40.7760



46.5340, 52.4962, 43.1059

Triad

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



49.6046, 52.4962, 40.7760



44.7116, 52.4962, 67.5901



55.7806, 52.4962, 65.9831

Complementary

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



49.6046, 52.4962, 40.7760



40.0290, 41.2895, 62.3602

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.



53.4163, 52.4962, 73.9770



49.6046, 52.4962, 40.7760



47.0185, 52.4962, 74.9747

Square

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



49.6046, 52.4962, 40.7760



43.7884, 52.4962, 57.9999



50.1887, 52.4962, 77.4311



56.5468, 52.4962, 56.3272

Rectangle

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



49.6046, 52.4962, 40.7760



44.9944, 52.4962, 46.7662



50.1887, 52.4962, 77.4311



55.1414, 52.4962, 68.9886

Sweetspot

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



49.6060, 52.4986, 40.7771



91.3371, 96.3603, 95.9900



44.6640, 40.8244, 44.6486



19.4663, 20.5420, 20.2583



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.



49.6060, 52.4986, 40.7771



81.0182, 85.7259, 61.7112



49.8685, 56.6779, 41.5700



11.8790, 12.5470, 11.8752



22.3313, 21.3955, 2.9528



1.2139, 1.2275, 0.1730

Inverse Universe

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



40.0290, 41.2895, 62.3602



62.4077, 63.9466, 103.6614



39.7811, 37.9242, 61.7237



10.8523, 11.3450, 14.1882



7.8464, 4.7168, 36.4531



0.4698, 0.3734, 1.9023

Previews

White Background



This preview shows how the XYZ color 49.6046, 52.4962, 40.7760 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 49.6046, 52.4962, 40.7760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

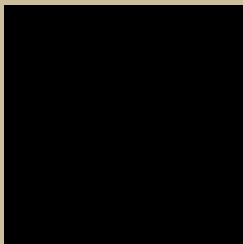
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

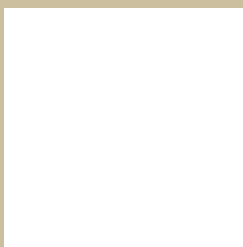
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6046, 52.4962, 40.7760

Background



This preview shows how black text looks on a background with the XYZ color 49.6046, 52.4962, 40.7760.



This preview shows how white text looks on a background with the XYZ color 49.6046, 52.4962,

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

49.6046, 52.4962, 40.7760

Protanopia

49.3331, 52.3562, 40.7633

Deuteranopia

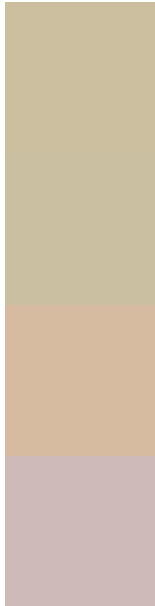
53.3923, 52.2263, 40.9848



Tritanopia

53.7867, 52.2780, 61.8994

Trichromacy



Original Color

49.6046, 52.4962, 40.7760

Protanomaly

49.3331, 52.3562, 40.7633

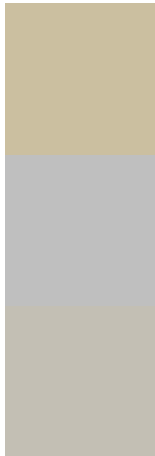
Deuteranomaly

51.9349, 52.4100, 41.0971

Tritanomaly

51.9809, 52.1652, 53.2282

Monochromacy



Original Color

49.6046, 52.4962, 40.7760

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

49.3747, 52.1590, 50.6454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6046, 52.4962, 40.7760 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(203, 191, 160)` looks like.

```
.text, #text, p{  
    color:rgb(203, 191, 160)  
}
```

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(203, 191, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 191, 160) }
```

Border

The CSS property to change the border of an element to XYZ 49.6046, 52.4962, 40.7760 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(203, 191, 160) }
```


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

```
.border{ border-color:rgb(203, 191, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 191, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 191, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 191, 160);  
box-shadow:4px 4px 4px 4px rgb(203, 191,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6046, 52.4962, 40.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 191, 160) }
```

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

```
.background{ background-color: rgb(203,  
191, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor