

Converting Colors

XYZ(49.6800, 53.4641, 39.6005)

Have a look what the booklet for
XYZ(49.6800, 53.4641, 39.6005)
contains.

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Color

**XYZ(49.7347, 53.5745,
39.6179)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC29D
RGB	202, 194, 157
RGB Percent	79%, 76%, 62%
CMY	0.2078, 0.2392, 0.3843
CMYK	0.00, 0.04, 0.22, 0.21
HSL	49°, 30%, 70%
HSV	49°, 22%, 79%
XYZ	49.7347, 53.5745, 39.6179
YIQ	192.1740, 16.6450, -9.8110

Conversions

Conversions Part 2

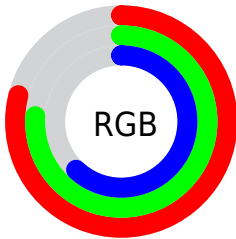
Format	Color
RYB	167, 202, 157
Decimal	13288093
CIELab	78.21, -3.18, 19.65
CIElCh	78, 19.909, 99.186
Yxy	53.5745, 0.3480, 0.3748
Android (android.graphics.Color)	4291478173 (0xFFCAC29D)
YUV	192.1740, -17.3408, 8.6174
Hunter-Lab	73.1946, -6.8023, 19.1444

Details

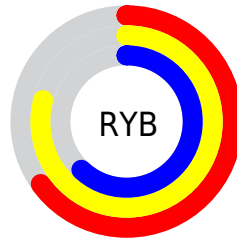
The XYZ color **49.7347, 53.5745, 39.6179** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.0202, 38.3416, 61.2741**, and the grayscale version is **50.2971, 52.9165, 57.6260**.

A 20% lighter version of the original color is **87.3093, 94.3847, 75.9037**, and **24.3391, 26.3863, 17.4459** is the 20% darker color. If you saturate the color by 10%, you get **47.3621, 51.3646, 31.0105**, and if you desaturate by 10%, it is **52.4146, 55.9419, 49.7358**.

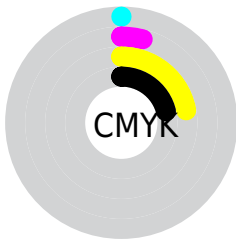
Distribution



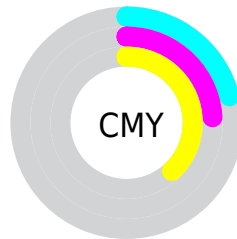
- Red (79%)
- Green (76%)
- Blue (62%)



- Red (65%)
- Yellow (79%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (21%)



- Cyan (21%)
- Magenta (24%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7347, 53.5745, 39.6179 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 49.7347, 53.5745, 39.6179 by changing the saturation by 10% instead.

■ 49.7347, 53.5745,
39.6179

■ 49.7347, 53.5745,
39.6179

376.0967,
400.4854, 360.0145

■ 35.4196, 38.2616,
26.9292

■ 88.9758, 95.4492,
75.8120

■ 24.1543, 26.1858,
17.2881

■ 114.6326,
122.7798, 100.1546

■ 15.5735, 16.9627,
10.2760

144.8006,
154.8850, 129.2188

■ 9.3118, 10.2079,
5.4743

179.8452,
192.1494, 163.4233

■ 5.0038, 5.5370,
2.4646

220.1317,
234.9572, 203.1866

■ 2.2843, 2.5657,
0.8213

266.0256,

■ 0.7866, 0.9094,

283.6929, 248.9272

0.0000

317.8921,
338.7408, 301.0637

■ 0.0000, 0.0000,
0.0000

■ 49.7347, 53.5745,
39.6179

■ 49.7347, 53.5745,
39.6179

■ 47.3621, 51.3646,
31.0105

■ 52.4146, 55.9419,
49.7358

■ 45.2784, 49.2990,
23.8363

■ 55.4107, 58.4650,
61.4294

■ 43.4698, 47.3739,
18.0165

■ 58.7369, 61.1515,
74.7644

■ 41.9193, 45.5823,
13.4632

■ 62.4047, 64.0061,
89.8016

■ 40.6082, 43.9165,
10.0780

■ 65.9382, 66.8386,
104.0336

■ 39.5150, 42.3676,
7.7483

■ 66.8452, 68.6525,
104.3359

■ 38.6139, 40.9250,
6.3389

■ 67.7722, 70.5065,
104.6449

■ 38.0135, 39.8692,
5.6920

■ 68.7193, 72.4009,
104.9606

■ 69.6869, 74.3359,
105.2831

Harmonies

Analogous

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



53.6289, 53.5745, 40.4933



49.7347, 53.5745, 39.6179



46.3339, 53.5745, 43.2375

Triad

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



49.7347, 53.5745, 39.6179



45.3336, 53.5745, 72.9626



58.2474, 53.5745, 66.2921

Complementary

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



49.7347, 53.5745, 39.6179



38.0202, 38.3416, 61.2741

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.



55.8012, 53.5745, 76.5884



49.7347, 53.5745, 39.6179



48.3057, 53.5745, 80.7678

Square

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



49.7347, 53.5745, 39.6179



43.8796, 53.5745, 61.8250



52.1259, 53.5745, 82.1731



58.6780, 53.5745, 54.9760

Rectangle

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



49.7347, 53.5745, 39.6179



44.7558, 53.5745, 48.0214



52.1259, 53.5745, 82.1731



57.6278, 53.5745, 70.0254

Sweetspot

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



49.7361, 53.5769, 39.6190



91.3046, 96.8964, 94.1263



43.2289, 39.3969, 41.0433



19.4766, 20.6839, 19.8881



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.



49.7361, 53.5769, 39.6190



82.0999, 88.7735, 59.3459



47.8842, 55.3353, 40.0560



11.9777, 12.7444, 11.9081



24.5201, 25.7732, 3.6824



1.3105, 1.4207, 0.2052

Inverse Universe

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



38.0202, 38.3416, 61.2741



58.6178, 58.2413, 102.7599



39.5673, 37.0649, 60.9461



10.7603, 11.1610, 14.1575



7.3105, 3.6449, 36.2745



0.4277, 0.2891, 1.8882

Previews

White Background



This preview shows how the XYZ color 49.7347, 53.5745, 39.6179 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 49.7347, 53.5745, 39.6179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

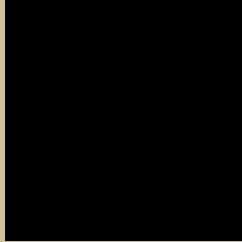
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

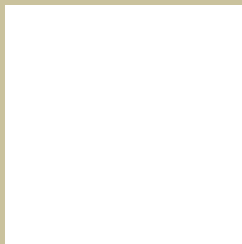
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7347, 53.5745, 39.6179

Background



This preview shows how black text looks on a background with the XYZ color 49.7347, 53.5745, 39.6179.



This preview shows how white text looks on a background with the XYZ color 49.7347, 53.5745,

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

49.7347, 53.5745, 39.6179

Protanopia

50.3326, 53.5534, 39.5823

Deuteranopia

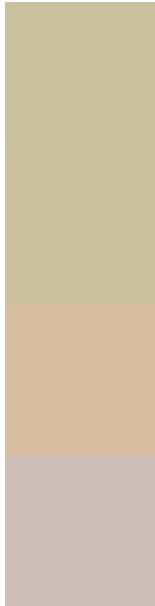
54.5574, 53.4683, 40.2458



Tritanopia

54.6563, 53.6406, 63.3501

Trichromacy



Original Color

49.7347, 53.5745, 39.6179

Protanomaly

50.0576, 53.4116, 39.5694

Deuteranomaly

52.6881, 53.4627, 39.8901

Tritanomaly

52.7300, 53.4939, 54.0006

Monochromacy



Original Color

49.7347, 53.5745, 39.6179

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.9716, 53.1304, 50.2692

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7347, 53.5745, 39.6179 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(202, 194, 157)` looks like.

```
.text, #text, p{  
    color:rgb(202, 194, 157)  
}
```

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(202, 194, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 194, 157) }
```

Border

The CSS property to change the border of an element to XYZ 49.7347, 53.5745, 39.6179 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(202, 194, 157) }
```


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

```
.border{ border-color:rgb(202, 194, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 194, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 194, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 194, 157); box-shadow:4px 4px 4px 4px rgb(202, 194, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7347, 53.5745, 39.6179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 194, 157) }
```

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

```
.background{ background-color: rgb(202,  
194, 157) }
```

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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