

Converting Colors

XYZ(49.7063, 55.6133, 9.7984)

Have a look what the booklet for
XYZ(49.7063, 55.6133, 9.7984)
contains.

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Color

**XYZ(49.7259, 55.5756,
9.7754)**

Conversions

Conversions Part 1

Format	Color
Hex	DBC624
RGB	219, 198, 36
RGB Percent	86%, 78%, 14%
CMY	0.1412, 0.2235, 0.8588
CMYK	0.00, 0.10, 0.84, 0.14
HSL	53°, 72%, 50%
HSV	53°, 84%, 86%
XYZ	49.7259, 55.5756, 9.7754
YIQ	185.8110, 64.5180, -45.9300

Conversions

Conversions Part 2

Format	Color
RYB	60, 219, 36
Decimal	14403108
CIELab	79.37, -8.20, 74.88
CIELCh	79, 75.327, 96.247
Yxy	55.5756, 0.4321, 0.4829
Android (android.graphics.Color)	4292593188 (0xFFDBC624)
YUV	185.8110, -73.8568, 29.1068
Hunter-Lab	74.5490, -11.3973, 44.4098

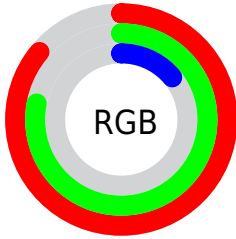
Details

The XYZ color **49.7259, 55.5756, 9.7754** is a light color, and the websafe version is hex **CCCC33**.

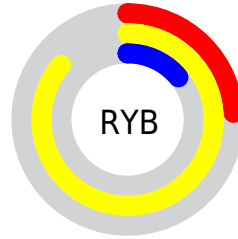
The color can be described as light washed yellow. A complement of this color would be **14.9771, 8.4161, 67.8523**, and the grayscale version is **46.9431, 49.3878, 53.7833**.

A 20% lighter version of the original color is **78.8864, 93.0255, 25.3532**, and **24.6226, 27.7244, 4.0536** is the 20% darker color. If you saturate the color by 10%, you get **48.9190, 54.3437, 8.3304**, and if you desaturate by 10%, it is **50.7491, 56.9136, 12.3014**.

Distribution



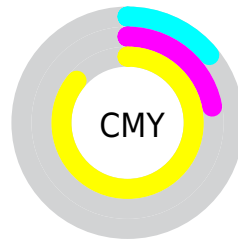
- Red (86%)
- Green (78%)
- Blue (14%)



- Red (24%)
- Yellow (86%)
- Blue (14%)



- Cyan (0%)
- Magenta (10%)
- Yellow (84%)
- Black (14%)





- Cyan (14%)
- Magenta (22%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7259, 55.5756, 9.7754 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 49.7259, 55.5756, 9.7754 by changing the saturation by 10% instead.


 49.7259, 55.5756,
9.7754


 49.7259, 55.5756,
9.7754


376.0628,
408.0901, 199.4877

 35.4126, 39.8628,
5.1466


 88.9629, 98.3838,
25.9734

 24.1488, 27.4316,
2.2733


 114.6172,
126.2479, 38.3796


 15.5694, 17.8976,
0.7162


 144.7826,
158.9313, 54.2155

 9.3089, 10.8765,
0.0000

 179.8244,
196.8182, 73.8995

 5.0019, 5.9838,
0.0000

 220.1080,
240.2932, 97.8502

 2.2832, 2.8353,
0.0000

 265.9987,

 0.7860, 1.0463,

289.7406, 126.4861

0.0000

317.8618,
345.5448, 160.2258

■ 0.0000, 0.0000,
0.0000

■ 49.7259, 55.5756,
9.7754

■ 49.7259, 55.5756,
9.7754

■ 48.9190, 54.3437,
8.3304

■ 50.7491, 56.9136,
12.3014

■ 48.4771, 53.5879,
7.7885

■ 52.0172, 58.3627,
16.0758

■ 53.5585, 59.9364,
21.2407

■ 55.3959, 61.6441,
27.9179

■ 57.5503, 63.4941,
36.2163

■ 60.0405, 65.4940,
46.2344

■ 62.8836, 67.6508,
58.0631

■ 66.0958, 69.9709,
71.7867

■ 69.6921, 72.4605,
87.4845

Harmonies

Analogous

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



65.4037, 55.5756, 11.8501



49.7259, 55.5756, 9.7754



37.4470, 55.5756, 15.1710

Triad

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



49.7259, 55.5756, 9.7754



32.6950, 55.5756, 124.2033



84.1074, 55.5756, 100.5707

Complementary

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



49.7259, 55.5756, 9.7754



14.9771, 8.4161, 67.8523

Split Complementary

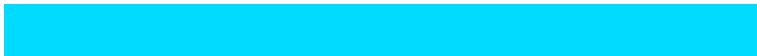
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9191, 55.5756, 155.4094



49.7259, 55.5756, 9.7754



41.9687, 55.5756, 173.0047

Square

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



49.7259, 55.5756, 9.7754



28.8963, 55.5756, 70.0198



56.0460, 55.5756, 186.5391



87.2651, 55.5756, 51.9070

Rectangle

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



49.7259, 55.5756, 9.7754



32.1714, 55.5756, 25.0693



56.0460, 55.5756, 186.5391



80.8309, 55.5756, 119.4766

Sweetspot

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



49.7272, 55.5783, 9.7765



84.1426, 91.9748, 62.7527



30.5917, 16.6212, 5.5136



17.7376, 19.4697, 12.3295



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.



49.7272, 55.5783, 9.7765



68.3673, 75.5146, 10.9724



38.0174, 57.1657, 10.7001



14.0280, 14.9954, 13.8806



28.7966, 31.8787, 4.6355



1.9026, 2.1392, 0.3126

Inverse Universe

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



14.9771, 8.4161, 67.8523



18.4956, 8.1112, 95.1985



19.3795, 9.4504, 67.8199



12.4584, 12.8565, 16.4771



7.8299, 3.5292, 40.0069



0.5483, 0.3108, 2.6055

Previews

White Background



This preview shows how the XYZ color 49.7259, 55.5756, 9.7754 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 49.7259, 55.5756, 9.7754 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 49.7259, 55.5756, 9.7754

Background



This preview shows how black text looks on a background with the XYZ color 49.7259, 55.5756, 9.7754.



This preview shows how white text looks on a background with the XYZ color 49.7259, 55.5756,

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

49.7259, 55.5756, 9.7754

Protanopia

50.1035, 55.4320, 9.7278

Deuteranopia

56.9178, 55.6715, 10.0313



Tritanopia

60.0824, 55.2275, 61.5261

Trichromacy



Original Color

49.7259, 55.5756, 9.7754

Protanomaly

49.7999, 55.2755, 9.7136

Deuteranomaly

53.9389, 55.4193, 9.8616

Tritanomaly

54.2953, 54.4574, 32.4606

Monochromacy



Original Color

49.7259, 55.5756, 9.7754

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

45.7989, 50.4714, 28.8008

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7259, 55.5756, 9.7754 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(219, 198, 36)` looks like.

```
.text, #text, p{  
    color:rgb(219, 198, 36)  
}
```

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(219, 198, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 198, 36) }
```

Border

The CSS property to change the border of an element to XYZ 49.7259, 55.5756, 9.7754 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(219, 198, 36) }
```


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

```
.border{ border-color:rgb(219, 198, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 198, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 198, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 198, 36);  
box-shadow:4px 4px 4px 4px rgb(219, 198,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7259, 55.5756, 9.7754 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 198, 36) }
```

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

```
.background{ background-color: rgb(219,  
198, 36) }
```

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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