

Converting Colors

XYZ(49.5926, 55.0864, 13.9479)

Have a look what the booklet for
XYZ(49.5926, 55.0864, 13.9479)
contains.

XYZ(49.7189, 55.1392, 13.9837)	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(49.7189, 55.1392,
13.9837)**

Conversions

Conversions Part 1

Format	Color
Hex	D9C547
RGB	217, 197, 71
RGB Percent	85%, 77%, 28%
CMY	0.1490, 0.2274, 0.7216
CMYK	0.00, 0.09, 0.67, 0.15
HSL	52°, 66%, 56%
HSV	52°, 67%, 85%
XYZ	49.7189, 55.1392, 13.9837
YIQ	188.6160, 52.3660, -34.9460

Conversions

Conversions Part 2

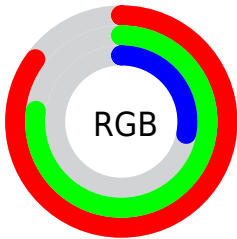
Format	Color
R _Y B	94, 217, 71
Decimal	14271815
CIE Lab	79.12, -7.14, 63.10
CIE LCh	79, 63.499, 96.453
Yxy	55.1392, 0.4184, 0.4640
Android (android.graphics.Color)	4292461895 (0xFFD9C547)
YUV	188.6160, -57.9847, 24.8928
Hunter-Lab	74.2558, -10.4307, 40.8137

Details

The XYZ color **49.7189, 55.1392, 13.9837** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **18.8640, 13.8312, 67.3208**, and the grayscale version is **48.4514, 50.9747, 55.5114**.

A 20% lighter version of the original color is **80.1312, 93.0169, 33.4694**, and **24.2768, 27.3196, 4.0224** is the 20% darker color. If you saturate the color by 10%, you get **48.4753, 53.5748, 10.7255**, and if you desaturate by 10%, it is **51.2269, 56.8349, 18.5576**.

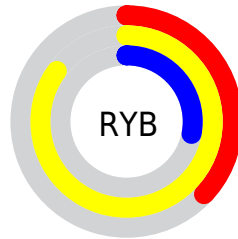
Distribution



Red (85%)

Green (77%)

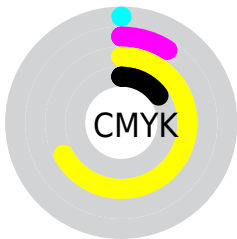
Blue (28%)



Red (37%)

Yellow (85%)

Blue (28%)

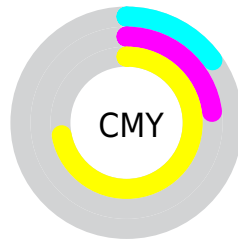


Cyan (0%)

Magenta (9%)

Yellow (67%)

Black (15%)



Cyan (15%)

Magenta (23%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.7189, 55.1392, 13.9837 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 49.7189, 55.1392, 13.9837 by changing the saturation by 10% instead.

■ 49.7189, 55.1392,
13.9837

■ 49.7189, 55.1392,
13.9837

376.0358,
406.4394, 228.5543

■ 35.4070, 39.5132,
7.9707

■ 88.9526, 97.7449,
33.7768

■ 24.1445, 27.1592,
3.9887

■ 114.6050,
125.4933, 48.3940

■ 15.5662, 17.6928,
1.6192

■ 144.7684,
158.0514, 66.7164

■ 9.3066, 10.7297,
0.3044

■ 179.8079,
195.8034, 89.1624

■ 5.0004, 5.8854,
0.0000

■ 220.0891,
239.1338, 116.1507

■ 2.2823, 2.7755,
0.0000

265.9773,

■ 0.7856, 1.0157,

288.4270, 148.0997

0.0000

317.8377,
344.0674, 185.4281

■ 0.0000, 0.0000,
0.0000

■ 49.7189, 55.1392,
13.9837

■ 49.7189, 55.1392,
13.9837

■ 48.4753, 53.5748,
10.7255

■ 51.2269, 56.8349,
18.5576

■ 47.4644, 52.1224,
8.6329

■ 53.0194, 58.6637,
24.5692

■ 46.6501, 50.7698,
7.5104

■ 55.1188, 60.6368,
32.1303

■ 46.4454, 50.4121,
7.2826

■ 57.5440, 62.7619,
41.3406

■ 60.3125, 65.0460,
52.2918

■ 63.4405, 67.4958,
65.0684

■ 66.9431, 70.1175,
79.7497

■ 70.8344, 72.9167,
96.4102

■ 73.2540, 75.1495,
105.2521

Harmonies

Analogous

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



62.7502, 55.1392, 16.1145



49.7189, 55.1392, 13.9837



39.2309, 55.1392, 19.6007

Triad

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



49.7189, 55.1392, 13.9837



35.1611, 55.1392, 111.7345



78.0496, 55.1392, 92.4283

Complementary

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



49.7189, 55.1392, 13.9837



18.8640, 13.8312, 67.3208

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.



68.2480, 55.1392, 135.4107



49.7189, 55.1392, 13.9837



43.2699, 55.1392, 149.3420

Square

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



49.7189, 55.1392, 13.9837



31.7452, 55.1392, 68.2207



55.1927, 55.1392, 159.4094



80.5181, 55.1392, 52.5359

Rectangle

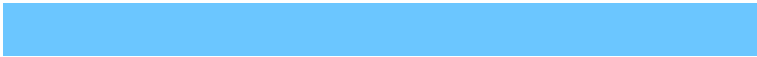
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.7189, 55.1392, 13.9837



34.6210, 55.1392, 29.1573



55.1927, 55.1392, 159.4094



75.4342, 55.1392, 107.4084

Sweetspot

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



49.7202, 55.1418, 13.9848



85.7113, 92.7641, 70.5145



32.8401, 20.0472, 12.4721



18.1015, 19.6545, 14.1245



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.



49.7202, 55.1418, 13.9848



69.1737, 76.2588, 13.9188



41.6553, 58.1767, 14.9957



14.0023, 14.9439, 13.8720



28.1733, 30.6322, 4.4277



1.8681, 2.0702, 0.3011

Inverse Universe

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



18.8640, 13.8312, 67.3208



21.9257, 13.1303, 95.9865



22.8184, 13.6618, 67.0796



12.4818, 12.9033, 16.4849



7.9030, 3.6755, 40.0313



0.5594, 0.3329, 2.6092

Previews

White Background



This preview shows how the XYZ color 49.7189, 55.1392, 13.9837 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 49.7189, 55.1392, 13.9837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

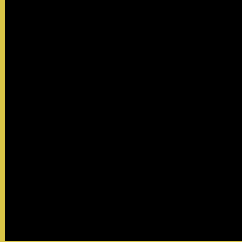
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.7189, 55.1392, 13.9837

Background



This preview shows how black text looks on a background with the XYZ color 49.7189, 55.1392, 13.9837.



This preview shows how white text looks on a background with the XYZ color 49.7189, 55.1392,

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

49.7189, 55.1392, 13.9837

Protanopia

50.0907, 54.9949, 13.9362

Deuteranopia

56.1032, 54.8453, 14.1078



Tritanopia

59.4442, 54.8985, 61.4962

Trichromacy



Original Color

49.7189, 55.1392, 13.9837

Protanomaly

49.7907, 54.8402, 13.9222

Deuteranomaly

53.5477, 54.8004, 14.0586

Tritanomaly

54.6056, 54.5095, 37.3491

Monochromacy



Original Color

49.7189, 55.1392, 13.9837

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

47.5911, 51.9167, 34.7067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7189, 55.1392, 13.9837 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(217, 197, 71)` looks like.

```
.text, #text, p{  
    color:rgb(217, 197, 71)  
}
```

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(217, 197, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 197, 71) }
```

Border

The CSS property to change the border of an element to XYZ 49.7189, 55.1392, 13.9837 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(217, 197, 71) }
```


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

```
.border{ border-color:rgb(217, 197, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 197, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 197, 71); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 197, 71); box-shadow:4px 4px 4px 4px rgb(217, 197, 71) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7189, 55.1392, 13.9837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 197, 71) }
```

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

```
.background{ background-color: rgb(217,  
197, 71) }
```

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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