

Converting Colors

XYZ(49.7916, 55.4919, 10.4615)

Have a look what the booklet for
XYZ(49.7916, 55.4919, 10.4615)
contains.

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Color

**XYZ(49.8621, 55.6301,
10.4925)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DBC62C |
| RGB | 219, 198, 44 |
| RGB Percent | 86%, 78%, 17% |
| CMY | 0.1412, 0.2235, 0.8274 |
| CMYK | 0.00, 0.10, 0.80, 0.14 |
| HSL | 53°, 71%, 52% |
| HSV | 53°, 80%, 86% |
| XYZ | 49.8621, 55.6301, 10.4925 |
| YIQ | 186.7230, 61.9500, -43.4420 |

Conversions

Conversions Part 2

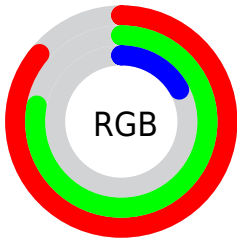
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 68, 219, 44 |
| Decimal | 14403116 |
| CIE Lab | 79.40, -7.96, 72.79 |
| CIE LCh | 79, 73.229, 96.243 |
| Yxy | 55.6301, 0.4299, 0.4796 |
| Android (android.graphics.Color) | 4292593196 (0xFFDBC62C) |
| YUV | 186.7230, -70.3624, 28.3069 |
| Hunter-Lab | 74.5856, -11.1936, 43.8692 |

Details

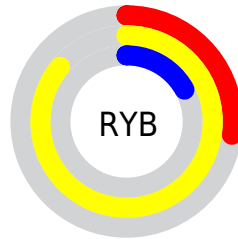
The XYZ color **49.8621, 55.6301, 10.4925** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light washed yellow. A complement of this color would be **15.7153, 9.4306, 68.0093**, and the grayscale version is **47.4390, 49.9095, 54.3515**.

A 20% lighter version of the original color is **79.1805, 93.1431, 26.9019**, and **24.6226, 27.7244, 4.0536** is the 20% darker color. If you saturate the color by 10%, you get **48.9591, 54.3184, 8.6685**, and if you desaturate by 10%, it is **50.9950, 57.0547, 13.4647**.

Distribution



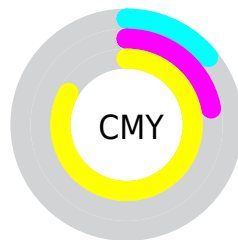
- Red (86%)
- Green (78%)
- Blue (17%)



- Red (27%)
- Yellow (86%)
- Blue (17%)



- Cyan (0%)
- Magenta (10%)
- Yellow (80%)
- Black (14%)



- Cyan (14%)
- Magenta (22%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.8621, 55.6301, 10.4925 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 49.8621, 55.6301, 10.4925 by changing the saturation by 10% instead.

■ 49.8621, 55.6301,
10.4925

■ 49.8621, 55.6301,
10.4925

376.5873,
408.2960, 204.7628

■ 35.5212, 39.9064,
5.6169

■ 89.1636, 98.4635,
27.3400

■ 24.2330, 27.4656,
2.5485

■ 114.8548,
126.3421, 40.1489

■ 15.6322, 17.9232,
0.8657

■ 145.0603,
159.0411, 56.4393

■ 9.3535, 10.8949,
0.0000

■ 180.1452,
196.9449, 76.6297

■ 5.0314, 5.9962,
0.0000

■ 220.4750,
240.4378, 101.1388

■ 2.3006, 2.8428,
0.0000

■ 266.4151,

■ 0.7950, 1.0502,

289.9044, 130.3849

0.0000

318.3307,
345.7290, 164.7867

■ 0.0000, 0.0000,
0.0000

■ 49.8621, 55.6301,
10.4925

■ 49.8621, 55.6301,
10.4925

■ 48.9591, 54.3184,
8.6685

■ 50.9950, 57.0547,
13.4647

■ 48.2294, 53.0906,
7.7115

■ 52.3841, 58.5963,
17.7398

■ 48.2228, 53.0792,
7.7037

■ 54.0559, 60.2679,
23.4519

■ 56.0328, 62.0784,
30.7178

■ 58.3344, 64.0358,
39.6422

60.9792, 66.1476,
50.3206

63.9839, 68.4204,
62.8414

67.3642, 70.8608,
77.2869

71.1349, 73.4746,
93.7346

Harmonies

Analogous

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



65.0904, 55.6301, 12.6010



49.8621, 55.6301, 10.4925



37.8711, 55.6301, 15.9488

Triad

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



49.8621, 55.6301, 10.4925



33.2081, 55.6301, 122.0926



83.1713, 55.6301, 99.3571

Complementary

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



49.8621, 55.6301, 10.4925



15.7153, 9.4306, 68.0093

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.



71.3948, 55.6301, 152.0487



49.8621, 55.6301, 10.4925



42.2919, 55.6301, 168.8832

Square

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



49.8621, 55.6301, 10.4925



29.4723, 55.6301, 69.8017



56.0064, 55.6301, 181.8302



86.2187, 55.6301, 52.1935

Rectangle

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



49.8621, 55.6301, 10.4925



32.6953, 55.6301, 25.8222



56.0064, 55.6301, 181.8302



80.0083, 55.6301, 117.5624

Sweetspot

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



49.8634, 55.6328, 10.4936



84.4175, 92.0708, 64.2434



31.1374, 17.2711, 7.0562



17.7859, 19.4795, 12.6129



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.



49.8634, 55.6328, 10.4936



68.3924, 75.4753, 11.2564



39.2720, 57.7968, 11.4695



14.0220, 14.9833, 13.8786



28.6477, 31.5810, 4.5858



1.8943, 2.1228, 0.3099

Inverse Universe

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



15.7153, 9.4306, 68.0093



18.9220, 8.7744, 95.3041



19.8921, 10.1151, 67.9212



12.4639, 12.8675, 16.4789



7.8461, 3.5617, 40.0123



0.5509, 0.3160, 2.6064

Previews

White Background



This preview shows how the XYZ color 49.8621, 55.6301, 10.4925 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 49.8621, 55.6301, 10.4925 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 49.8621, 55.6301, 10.4925

Background



This preview shows how black text looks on a background with the XYZ color 49.8621, 55.6301, 10.4925.



This preview shows how white text looks on a background with the XYZ color 49.8621, 55.6301,

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

49.8621, 55.6301, 10.4925

Protanopia

50.2397, 55.4865, 10.4449

Deuteranopia

56.7038, 55.5451, 10.7503



Tritanopia

60.0824, 55.2275, 61.5261

Trichromacy



Original Color

49.8621, 55.6301, 10.4925

Protanomaly

49.9361, 55.3300, 10.4307

Deuteranomaly

54.0894, 55.4795, 10.6541

Tritanomaly

54.5196, 54.5471, 33.6418

Monochromacy



Original Color

49.8621, 55.6301, 10.4925

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.5572, 51.1530, 30.3414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8621, 55.6301, 10.4925 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, 44)` looks like.

```
.text, #text, p{  
    color:rgb(219, 198, 44)  
}
```

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, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 198, 44) }
```

Border

The CSS property to change the border of an element to XYZ 49.8621, 55.6301, 10.4925 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, 44) }
```


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

```
.border{ border-color:rgb(219, 198, 44) }
```

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, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 198, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 198, 44);  
box-shadow:4px 4px 4px 4px rgb(219, 198,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8621, 55.6301, 10.4925 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, 44) }
```

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

```
.background{ background-color: rgb(219,  
198, 44) }
```

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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