

Converting Colors

XYZ(48.6640, 55.3772, 9.2928)

Have a look what the booklet for
XYZ(48.6640, 55.3772, 9.2928)
contains.

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Color

**XYZ(48.6695, 55.3826,
9.2872)**

Conversions

Conversions Part 1

Format	Color
Hex	D7C71D
RGB	215, 199, 29
RGB Percent	84%, 78%, 11%
CMY	0.1569, 0.2196, 0.8862
CMYK	0.00, 0.07, 0.87, 0.16
HSL	55°, 76%, 48%
HSV	55°, 87%, 84%
XYZ	48.6695, 55.3826, 9.2872
YIQ	184.4040, 64.1060, -49.4780

Conversions

Conversions Part 2

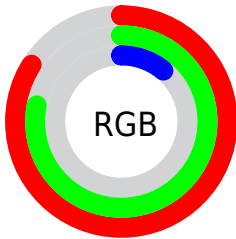
Format	Color
R_{YB}	47, 215, 29
Decimal	14141213
CIE _{Lab}	79.26, -10.59, 76.21
CIE _{LCh}	79, 76.938, 97.914
Yxy	55.3826, 0.4294, 0.4886
Android (android.graphics.Color)	4292331293 (0xFFD7C71D)
YUV	184.4040, -76.6142, 26.8327
Hunter-Lab	74.4195, -13.4971, 44.6945

Details

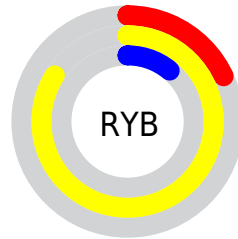
The XYZ color **48.6695, 55.3826, 9.2872** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **13.7112, 7.0447, 64.9265**, and the grayscale version is **46.1716, 48.5761, 52.8994**.

A 20% lighter version of the original color is **79.0204, 93.5882, 24.4892**, and **23.9892, 27.6257, 4.0679** is the 20% darker color. If you saturate the color by 10%, you get **48.0672, 54.4673, 8.1955**, and if you desaturate by 10%, it is **49.4637, 56.3872, 11.3525**.

Distribution



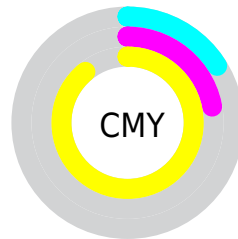
- Red (84%)
- Green (78%)
- Blue (11%)



- Red (18%)
- Yellow (84%)
- Blue (11%)



- Cyan (0%)
- Magenta (7%)
- Yellow (87%)
- Black (16%)





- Cyan (16%)
- Magenta (22%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6695, 55.3826, 9.2872 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 48.6695, 55.3826, 9.2872 by changing the saturation by 10% instead.


 48.6695, 55.3826,
9.2872


 48.6695, 55.3826,
9.2872


371.9783,
407.3606, 195.8024


 34.5708, 39.7081,
4.8296


 87.4041, 98.1013,
25.0324

 23.4974, 27.3110,
2.0907

 112.7707,
125.9143, 37.1571


 15.0839, 17.8070,
0.6102


 142.6240,
158.5423, 52.6745

 8.9650, 10.8115,
0.0000

 177.3293,
196.3697, 72.0033

 4.7753, 5.9402,
0.0000

 217.2521,
239.7808, 95.5619

 2.1494, 2.8088,
0.0000

 262.7576,

 0.7159, 1.0327,

289.1600, 123.7690

0.0000

314.2112,
344.8918, 157.0430

■ 0.0000, 0.0000,
0.0000

■ 48.6695, 55.3826,
9.2872

■ 48.6695, 55.3826,
9.2872

■ 48.0672, 54.4673,
8.1955

■ 49.4637, 56.3872,
11.3525

■ 47.8795, 54.1578,
7.9300

■ 50.4801, 57.4869,
14.5683

■ 51.7469, 58.6951,
19.0769

■ 53.2872, 60.0210,
24.9996

■ 55.1213, 61.4728,
32.4435

■ 57.2675, 63.0578,
41.5056

■ 59.7429, 64.7830,
52.2746

■ 62.5630, 66.6546,
64.8330

■ 65.7425, 68.6783,
79.2577

Harmonies

Analogous

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



64.5675, 55.3826, 10.9303



48.6695, 55.3826, 9.2872



36.4702, 55.3826, 15.1096

Triad

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



48.6695, 55.3826, 9.2872



32.5759, 55.3826, 128.8027



85.0944, 55.3826, 98.1071

Complementary

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



48.6695, 55.3826, 9.2872



13.7112, 7.0447, 64.9265

Split Complementary

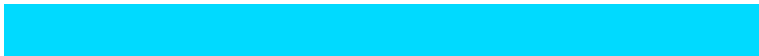
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.9958, 55.3826, 154.9111



48.6695, 55.3826, 9.2872



42.2792, 55.3826, 177.8442

Square

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



48.6695, 55.3826, 9.2872



28.4341, 55.3826, 72.7392



56.8197, 55.3826, 189.2064



87.7235, 55.3826, 49.3704

Rectangle

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



48.6695, 55.3826, 9.2872



31.3387, 55.3826, 25.5593



56.8197, 55.3826, 189.2064



81.9003, 55.3826, 117.4473

Sweetspot

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



48.6708, 55.3852, 9.2883



84.3609, 92.8573, 61.4505



28.9892, 15.5364, 4.2252



17.8078, 19.6954, 12.0901



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.



48.6708, 55.3852, 9.2883



70.3994, 79.5787, 11.6498



35.4394, 54.3173, 9.7796



13.3773, 14.3287, 13.2214



28.6770, 32.4712, 4.7561



1.7571, 2.0134, 0.2960

Inverse Universe

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



13.7112, 7.0447, 64.9265



18.3355, 7.7911, 95.1452



18.3455, 8.6932, 65.0005



11.8276, 12.1786, 15.6648



7.5029, 3.2676, 38.6884



0.4830, 0.2579, 2.3436

Previews

White Background



This preview shows how the XYZ color 48.6695, 55.3826, 9.2872 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 48.6695, 55.3826, 9.2872 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 48.6695, 55.3826, 9.2872

Background



This preview shows how black text looks on a background with the XYZ color 48.6695, 55.3826, 9.2872.



This preview shows how white text looks on a background with the XYZ color 48.6695, 55.3826,

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

48.6695, 55.3826, 9.2872

Protanopia

49.9946, 55.3885, 9.1547

Deuteranopia

56.2665, 55.0319, 9.4904



Tritanopia

59.4528, 55.1989, 62.1645

Trichromacy



Original Color

48.6695, 55.3826, 9.2872

Protanomaly

49.6171, 55.5321, 9.2023

Deuteranomaly

53.1951, 55.0451, 9.4112

Tritanomaly

53.4323, 54.3499, 31.7191

Monochromacy



Original Color

48.6695, 55.3826, 9.2872

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

44.5996, 49.5558, 27.6367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6695, 55.3826, 9.2872 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(215, 199, 29)` looks like.

```
.text, #text, p{  
    color:rgb(215, 199, 29)  
}
```

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(215, 199, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 199, 29) }
```

Border

The CSS property to change the border of an element to XYZ 48.6695, 55.3826, 9.2872 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(215, 199, 29) }
```


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

```
.border{ border-color:rgb(215, 199, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 199, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 199, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 199, 29);  
box-shadow:4px 4px 4px 4px rgb(215, 199,  
29) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6695, 55.3826, 9.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 199, 29) }
```

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

```
.background{ background-color: rgb(215,  
199, 29) }
```

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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