

Converting Colors

XYZ(49.2759, 63.0520, 11.2254)

Have a look what the booklet for
XYZ(49.2759, 63.0520, 11.2254)
contains.

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Color

**XYZ(49.2031, 62.9325,
11.2230)**

Conversions

Conversions Part 1

Format	Color
Hex	C7DB24
RGB	199, 219, 36
RGB Percent	78%, 86%, 14%
CMY	0.2196, 0.1412, 0.8588
CMYK	0.09, 0.00, 0.84, 0.14
HSL	67°, 72%, 50%
HSV	67°, 84%, 86%
XYZ	49.2031, 62.9325, 11.2230
YIQ	192.1580, 46.8230, -61.1530

Conversions

Conversions Part 2

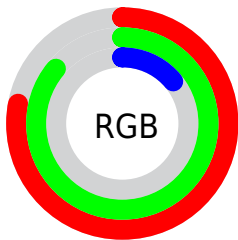
Format	Color
RYB	36, 219, 56
Decimal	13097764
CIELab	83.41, -27.01, 77.62
CIELCh	83, 82.182, 109.185
Yxy	62.9325, 0.3989, 0.5102
Android (android.graphics.Color)	4291287844 (0xFFC7DB24)
YUV	192.1580, -76.9859, 6.0004
Hunter-Lab	79.3300, -28.1159, 47.1431

Details

The XYZ color **49.2031, 62.9325, 11.2230** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **15.0500, 7.2184, 67.6218**, and the grayscale version is **50.6140, 53.2499, 57.9891**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **24.2600, 32.2136, 4.9392** is the 20% darker color. If you saturate the color by 10%, you get **48.3356, 62.5150, 9.9384**, and if you desaturate by 10%, it is **50.2878, 63.4427, 13.5864**.

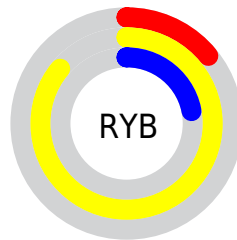
Distribution



Red (78%)

Green (86%)

Blue (14%)



Red (14%)

Yellow (86%)

Blue (22%)

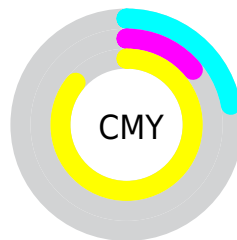


Cyan (9%)

Magenta (0%)

Yellow (84%)

Black (14%)



Cyan (22%)

Magenta (14%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2031, 62.9325, 11.2230 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 49.2031, 62.9325, 11.2230 by changing the saturation by 10% instead.

■ 49.2031, 62.9325,
11.2230

■ 49.2031, 62.9325,
11.2230

374.0450,
435.3245, 209.9832

■ 34.9958, 45.7866,
6.1010

■ 88.1919, 109.0721,
28.7147

■ 23.8262, 32.0775,
2.8368

■ 113.7042,
138.8346, 41.9215

■ 15.3287, 21.4207,
1.0119

■ 143.7155,
173.5715, 58.6603

■ 9.1382, 13.4318,
0.0000

■ 178.5912,
213.6671, 79.3496

■ 4.8893, 7.7266,
0.0000

■ 218.6966,
259.5057, 104.4080

■ 2.2165, 3.9205,
0.0000

■ 264.3972,

■ 0.7514, 1.6292,

311.4720, 134.2541

0.0000

316.0582,
369.9501, 169.3063

■ 0.0000, 0.3772,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2031, 62.9325,
11.2230

■ 49.2031, 62.9325,
11.2230

■ 48.3356, 62.5150,
9.9384

■ 50.2878, 63.4427,
13.5864

■ 47.8547, 62.2763,
9.4983

■ 51.6177, 64.0498,
17.1953

■ 53.2212, 64.7675,
22.1920

■ 55.1214, 65.6050,
28.6985

■ 57.3391, 66.5707,
36.8234

■ 59.8930, 67.6721,
46.6655

■ 62.8004, 68.9161,
58.3155

■ 66.0773, 70.3091,
71.8578

■ 69.7389, 71.8571,
87.3716

Harmonies

Analogous

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



66.5088, 62.9325, 10.1449



49.2031, 62.9325, 11.2230



37.3655, 62.9325, 22.1782

Triad

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



49.2031, 62.9325, 11.2230



40.0217, 62.9325, 173.4693



100.3907, 62.9325, 88.7326

Complementary

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



49.2031, 62.9325, 11.2230



15.0500, 7.2184, 67.6218

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.



89.8276, 62.9325, 155.2517



49.2031, 62.9325, 11.2230



53.5869, 62.9325, 218.1006

Square

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



49.2031, 62.9325, 11.2230



32.8421, 62.9325, 106.2866



71.8535, 62.9325, 210.1428



98.5657, 62.9325, 40.9670

Rectangle

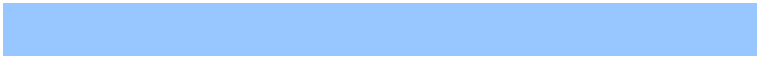
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2031, 62.9325, 11.2230



33.0671, 62.9325, 39.1250



71.8535, 62.9325, 210.1428



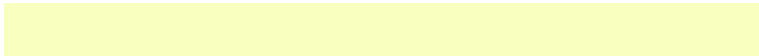
98.0992, 62.9325, 109.8573

Sweetspot

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



49.2045, 62.9354, 11.2243



83.9137, 95.2546, 63.3978



30.8673, 17.8557, 3.4895



17.6818, 20.2682, 12.4865



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.



49.2045, 62.9354, 11.2243



67.4769, 87.8706, 13.4043



31.9839, 54.0578, 10.4184



14.0147, 15.1878, 13.9185



28.4312, 36.9543, 5.6344



1.8828, 2.4152, 0.3669

Inverse Universe

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



15.0500, 7.2184, 67.6218



18.5256, 7.4652, 95.0723



25.2380, 12.4705, 68.0986



12.4702, 12.6850, 16.4433



7.8493, 3.1707, 39.9367



0.5540, 0.2289, 2.5894

Previews

White Background



This preview shows how the XYZ color 49.2031, 62.9325, 11.2230 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 49.2031, 62.9325, 11.2230 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 49.2031, 62.9325, 11.2230

Background



This preview shows how black text looks on a background with the XYZ color 49.2031, 62.9325, 11.2230.



This preview shows how white text looks on a background with the XYZ color 49.2031, 62.9325,

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

49.2031, 62.9325, 11.2230

Protanopia

56.7621, 62.7140, 10.5522

Deuteranopia

63.3224, 62.4035, 18.6052



Tritanopia

62.5355, 62.8001, 76.5358

Trichromacy



Original Color

49.2031, 62.9325, 11.2230

Protanomaly

53.6510, 62.5746, 10.7638

Deuteranomaly

57.4696, 62.2597, 14.9496

Tritanomaly

54.8447, 61.4561, 39.1086

Monochromacy



Original Color

49.2031, 62.9325, 11.2230

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

47.9994, 55.5924, 31.1222

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2031, 62.9325, 11.2230 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(199, 219, 36)` looks like.

```
.text, #text, p{  
    color:rgb(199, 219, 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(199, 219, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 219, 36) }
```

Border

The CSS property to change the border of an element to XYZ 49.2031, 62.9325, 11.2230 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(199, 219, 36) }
```


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

```
.border{ border-color:rgb(199, 219, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 219, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 219, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 219, 36);  
box-shadow:4px 4px 4px 4px rgb(199, 219,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2031, 62.9325, 11.2230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 219, 36) }
```

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

```
.background{ background-color: rgb(199,  
219, 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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