

Converting Colors

XYZ(49.3941, 62.6618, 10.2167)

Have a look what the booklet for
XYZ(49.3941, 62.6618, 10.2167)
contains.

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Color

**XYZ(49.2942, 62.6145,
10.1972)**

Conversions

Conversions Part 1

Format	Color
Hex	C9DA15
RGB	201, 218, 21
RGB Percent	79%, 85%, 8%
CMY	0.2118, 0.1451, 0.9176
CMYK	0.08, 0.00, 0.90, 0.15
HSL	65°, 82%, 47%
HSV	65°, 90%, 85%
XYZ	49.2942, 62.6145, 10.1972
YIQ	190.4590, 53.1050, -64.8710

Conversions

Conversions Part 2

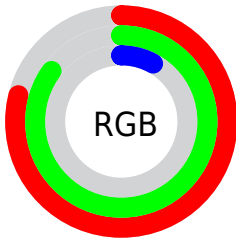
Format	Color
R _Y B	21, 218, 38
Decimal	13228565
CIE Lab	83.24, -26.04, 80.28
CIE LCh	83, 84.394, 107.969
Yxy	62.6145, 0.4037, 0.5128
Android (android.graphics.Color)	4291418645 (0xFFC9DA15)
YUV	190.4590, -83.5433, 9.2445
Hunter-Lab	79.1293, -27.2784, 47.7500

Details

The XYZ color **49.2942, 62.6145, 10.1972** 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 **13.7243, 6.0117, 66.7706**, and the grayscale version is **49.6570, 52.2430, 56.8926**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **24.2525, 31.9452, 4.8878** is the 20% darker color. If you saturate the color by 10%, you get **48.6752, 62.3132, 9.4622**, and if you desaturate by 10%, it is **50.1019, 62.9987, 11.7873**.

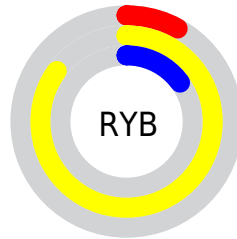
Distribution



Red (79%)

Green (85%)

Blue (8%)



Red (8%)

Yellow (85%)

Blue (15%)

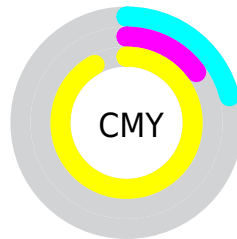


Cyan (8%)

Magenta (0%)

Yellow (90%)

Black (15%)



Cyan (21%)


Magenta (15%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.2942, 62.6145, 10.1972 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 49.2942, 62.6145, 10.1972 by changing the saturation by 10% instead.


 49.2942, 62.6145,
10.1972


 49.2942, 62.6145,
10.1972


374.3971,
434.1691, 202.6095


 35.0684, 45.5294,
5.4226


 88.3263, 108.6132,
26.7794

 23.8823, 31.8746,
2.4342


 113.8634,
138.2955, 39.4240

 15.3706, 21.2658,
0.8050


 143.9016,
172.9458, 55.5290

 9.1679, 13.3184,
0.0000

 178.8063,
212.9483, 75.5130

 4.9089, 7.6482,
0.0000

 218.9429,
258.6875, 99.7945

 2.2281, 3.8707,
0.0000

 264.6766,

 0.7575, 1.6015,

310.5478, 128.7921

0.0000

316.3729,
368.9135, 162.9242

■ 0.0000, 0.3586,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 49.2942, 62.6145,
10.1972

■ 49.2942, 62.6145,
10.1972

■ 48.6752, 62.3132,
9.4622

■ 50.1019, 62.9987,
11.7873

■ 51.1276, 63.4685,
14.4991

■ 52.4027, 64.0388,
18.4916

■ 53.9524, 64.7197,
23.8971

■ 55.7986, 65.5199,
30.8317

■ 57.9612, 66.4473,
39.3994

■ 60.4583, 67.5093,
49.6950

■ 63.3064, 68.7124,
61.8061

■ 66.5211, 70.0629,
75.8146

Harmonies

Analogous

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



67.1616, 62.6145, 9.4539



49.2942, 62.6145, 10.1972



36.9957, 62.6145, 20.4832

Triad

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



49.2942, 62.6145, 10.1972



38.9072, 62.6145, 173.9155



101.0398, 62.6145, 91.4402

Complementary

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



49.2942, 62.6145, 10.1972



13.7243, 6.0117, 66.7706

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.



89.6993, 62.6145, 160.4807



49.2942, 62.6145, 10.1972



52.4687, 62.6145, 222.0925

Square

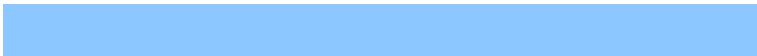
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.2942, 62.6145, 10.1972



31.9013, 62.6145, 104.2748



71.0551, 62.6145, 216.2014



99.7016, 62.6145, 41.5498

Rectangle

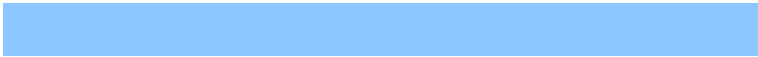
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.2942, 62.6145, 10.1972



32.4681, 62.6145, 36.9047



71.0551, 62.6145, 216.2014



98.5020, 62.6145, 113.4510

Sweetspot

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



49.2956, 62.6174, 10.1985



83.7258, 95.2216, 60.5048



29.7258, 16.3107, 2.2918



17.6711, 20.2749, 11.9348



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.



49.2956, 62.6174, 10.1985



69.3596, 88.8412, 13.4924



30.8129, 53.0892, 9.3335



14.0456, 15.2037, 13.9199



29.2057, 37.3536, 5.6707



1.9254, 2.4371, 0.3689

Inverse Universe

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



13.7243, 6.0117, 66.7706



18.3812, 7.3907, 95.0655



23.0656, 10.8273, 67.2078



12.4424, 12.6707, 16.4420



7.7781, 3.1339, 39.9334



0.5408, 0.2220, 2.5888

Previews

White Background



This preview shows how the XYZ color 49.2942, 62.6145, 10.1972 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 49.2942, 62.6145, 10.1972 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 49.2942, 62.6145, 10.1972

Background



This preview shows how black text looks on a background with the XYZ color 49.2942, 62.6145, 10.1972.



This preview shows how white text looks on a background with the XYZ color 49.2942, 62.6145,

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

49.2942, 62.6145, 10.1972

Protanopia

56.5811, 62.6416, 9.5991

Deuteranopia

63.1544, 62.3363, 17.7203



Tritanopia

62.7574, 62.5781, 75.7889

Trichromacy



Original Color

49.2942, 62.6145, 10.1972

Protanomaly

53.7769, 62.6602, 9.8326

Deuteranomaly

56.9895, 61.6837, 13.6051

Tritanomaly

54.6863, 61.0672, 36.5086

Monochromacy



Original Color

49.2942, 62.6145, 10.1972

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

46.8649, 54.3629, 28.7919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2942, 62.6145, 10.1972 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(201, 218, 21)` looks like.

```
.text, #text, p{  
    color:rgb(201, 218, 21)  
}
```

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(201, 218, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 218, 21) }
```

Border

The CSS property to change the border of an element to XYZ 49.2942, 62.6145, 10.1972 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(201, 218, 21) }
```


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

```
.border{ border-color:rgb(201, 218, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 218, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 218, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 218, 21);  
box-shadow:4px 4px 4px 4px rgb(201, 218,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2942, 62.6145, 10.1972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 218, 21) }
```

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

```
.background{ background-color: rgb(201,  
218, 21) }
```

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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