

Converting Colors

XYZ(23.8817, 42.7862, 10.2964)

Have a look what the booklet for
XYZ(23.8817, 42.7862, 10.2964)
contains.

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Color

**XYZ(23.9466, 42.9342,
10.2738)**

Conversions

Conversions Part 1

Format	Color
Hex	48C834
RGB	72, 200, 52
RGB Percent	28%, 78%, 20%
CMY	0.7176, 0.2157, 0.7961
CMYK	0.64, 0.00, 0.74, 0.22
HSL	112°, 59%, 49%
HSV	112°, 74%, 78%
XYZ	23.9466, 42.9342, 10.2738
YIQ	144.8560, -28.7800, -73.1640

Conversions

Conversions Part 2

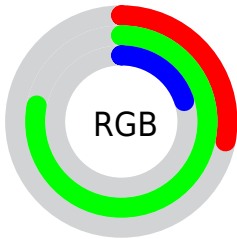
Format	Color
RYB	52, 200, 180
Decimal	4769844
CIELab	71.51, -61.40, 59.83
CIElCh	72, 85.732, 135.745
Yxy	42.9342, 0.3104, 0.5565
Android (android.graphics.Color)	4282959924 (0xFF48C834)
YUV	144.8560, -45.7780, -63.8947
Hunter-Lab	65.5242, -49.4324, 36.5706

Details

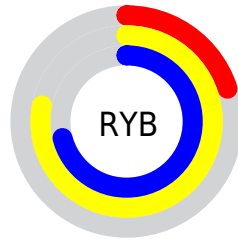
The XYZ color **23.9466, 42.9342, 10.2738** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **30.4784, 16.3311, 56.1917**, and the grayscale version is **27.0446, 28.4531, 30.9854**.

A 20% lighter version of the original color is **48.4584, 77.7536, 26.6413**, and **10.1254, 20.2508, 3.3751** is the 20% darker color. If you saturate the color by 10%, you get **22.4752, 42.2184, 8.3313**, and if you desaturate by 10%, it is **25.9736, 43.9169, 13.2397**.

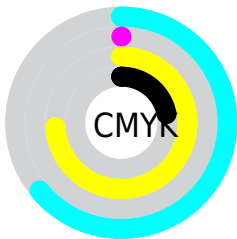
Distribution



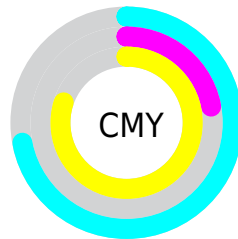
- Red (28%)
- Green (78%)
- Blue (20%)



- Red (20%)
- Yellow (78%)
- Blue (71%)



- Cyan (64%)
- Magenta (0%)
- Yellow (74%)
- Black (22%)




- Cyan (72%)
- Magenta (22%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9466, 42.9342, 10.2738 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 23.9466, 42.9342, 10.2738 by changing the saturation by 10% instead.


 23.9466, 42.9342,
10.2738


 23.9466, 42.9342,
10.2738


264.9959,
358.3411, 203.1705


 15.4185, 29.8335,
5.4729


 49.3984, 79.6116,
26.9251

 9.2019, 19.7122,
2.4638


 67.0528, 103.9570,
39.6125


 4.9313, 12.1860,
0.8209


 88.4800, 132.8195,
55.7659

 2.2413, 6.8705,
0.0000

 114.0454,
166.5834, 75.8037

 0.7644, 3.3812,
0.0000

 144.1143,
205.6331, 100.1445

 0.0000, 1.3339,
0.0000

 179.0521,

 0.0000, 0.1672,

250.3530, 129.2069

0.0000

219.2242,
301.1275, 163.4094

■ 0.0000, 0.0000,
0.0000

■ 23.9466, 42.9342,
10.2738

■ 23.9466, 42.9342,
10.2738

■ 22.4752, 42.2184,
8.3313

■ 25.9736, 43.9169,
13.2397

■ 21.4991, 41.7377,
7.2710

■ 28.6022, 45.1840,
17.3405

■ 21.1077, 41.5436,
6.9062

■ 31.8772, 46.7576,
22.6762

■ 35.8379, 48.6561,
29.3350

■ 40.5207, 50.8966,
37.3972

■ 45.9593, 53.4948,
46.9368

■ 52.1853, 56.4655,
58.0223

■ 59.2284, 59.8226,
70.7182

■ 67.1169, 63.5795,
85.0851

Harmonies

Analogous

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



33.7133, 42.9342, 4.3488



23.9466, 42.9342, 10.2738



19.3440, 42.9342, 29.7430

Triad

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



23.9466, 42.9342, 10.2738



34.3324, 42.9342, 174.3256



73.8743, 42.9342, 28.2869

Complementary

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



23.9466, 42.9342, 10.2738



30.4784, 16.3311, 56.1917

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.



74.1528, 42.9342, 69.2440



23.9466, 42.9342, 10.2738



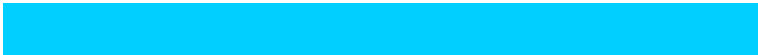
48.8334, 42.9342, 173.0392

Square

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



23.9466, 42.9342, 10.2738



24.3070, 42.9342, 130.2040



64.1574, 42.9342, 127.3251



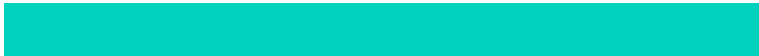
63.4681, 42.9342, 9.7494

Rectangle

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



23.9466, 42.9342, 10.2738



18.9114, 42.9342, 55.1872



64.1574, 42.9342, 127.3251



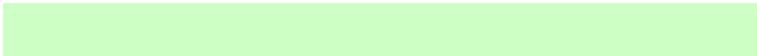
75.2256, 42.9342, 39.2163

Sweetspot

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



23.9476, 42.9360, 10.2748



71.6441, 88.8294, 67.3417



40.3218, 44.2907, 9.6732



14.8171, 18.7657, 13.5134



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.



23.9476, 42.9360, 10.2748



37.7568, 72.5251, 13.1105



24.5604, 43.0360, 20.0571



10.6285, 11.9554, 11.3102



13.4647, 26.4366, 4.3931



0.6822, 1.2748, 0.2101

Inverse Universe

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



30.4784, 16.3311, 56.1917



49.3119, 23.9543, 96.6324



30.4101, 16.8809, 29.7574



10.9368, 10.7412, 13.4143



17.6391, 8.3275, 35.4220



0.8752, 0.4149, 1.6791

Previews

White Background



This preview shows how the XYZ color 23.9466, 42.9342, 10.2738 looks on a white background.

Color Contrast Check

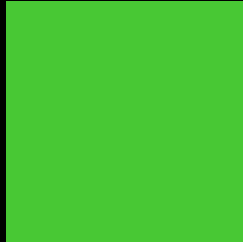
Large Text (above 18pt) WCAG AA × Fail

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 23.9466, 42.9342, 10.2738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

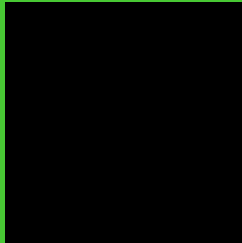
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.9466, 42.9342, 10.2738

Background



This preview shows how black text looks on a background with the XYZ color 23.9466, 42.9342, 10.2738.



This preview shows how white text looks on a background with the XYZ color 23.9466, 42.9342,

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

23.9466, 42.9342, 10.2738

Protanopia

38.1154, 42.0637, 8.5928

Deuteranopia

42.7574, 41.9025, 10.9887



Tritanopia

34.3749, 42.8691, 62.3399

Trichromacy



Original Color

23.9466, 42.9342, 10.2738



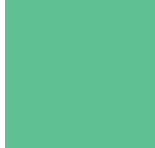
Protanomaly

30.0447, 40.5644, 9.0425



Deuteranomaly

32.0725, 40.0702, 10.4588



Tritanomaly

28.7322, 42.1855, 34.2320

Monochromacy



Original Color

23.9466, 42.9342, 10.2738



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

23.7956, 31.9095, 19.9439

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9466, 42.9342, 10.2738 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(72, 200, 52)` looks like.

```
.text, #text, p{  
    color:rgb(72, 200, 52)  
}
```

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(72, 200, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 200, 52) }
```

Border

The CSS property to change the border of an element to XYZ 23.9466, 42.9342, 10.2738 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(72, 200, 52) }
```


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

```
.border{ border-color:rgb(72, 200, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 200, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 200, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 200, 52);  
box-shadow:4px 4px 4px 4px rgb(72, 200,  
52) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9466, 42.9342, 10.2738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 200, 52) }
```

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

```
.background{ background-color: rgb(72, 200,  
52) }
```

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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