

Converting Colors

XYZ(32.9928, 52.1995, 14.4708)

Have a look what the booklet for
XYZ(32.9928, 52.1995, 14.4708)
contains.

| | |
|--|----|
| XYZ(32.9900, 52.1940, 14.4666) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(32.9900, 52.1940,
14.4666)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7AD548 |
| RGB | 122, 213, 72 |
| RGB Percent | 48%, 84%, 28% |
| CMY | 0.5216, 0.1647, 0.7176 |
| CMYK | 0.43, 0.00, 0.66, 0.16 |
| HSL | 99°, 63%, 56% |
| HSV | 99°, 66%, 84% |
| XYZ | 32.9900, 52.1940, 14.4666 |
| YIQ | 169.7170, -8.9750, -63.1430 |

Conversions

Conversions Part 2

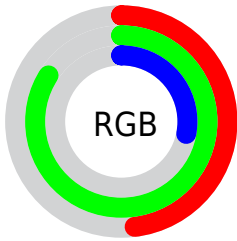
| Format | Color |
|-------------------------------------|--|
| RYB | 72, 213, 163 |
| Decimal | 8049992 |
| CIELab | 77.40, -51.19, 58.97 |
| CIELCh | 77, 78.089, 130.956 |
| Yxy | 52.1940, 0.3311, 0.5238 |
| Android (android.graphics.Color) | 4286240072 (0xFF7AD548) |
| YUV | 169.7170, -48.1745, -41.8478 |
| Hunter-Lab | 72.2454, -44.9196, 38.6994 |

Details

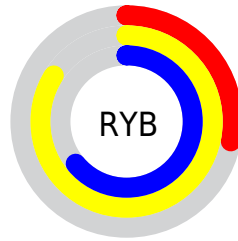
The XYZ color **32.9900, 52.1940, 14.4666** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **29.4346, 17.2272, 64.7275**, and the grayscale version is **38.3043, 40.2991, 43.8857**.

A 20% lighter version of the original color is **58.4132, 82.7556, 32.9734**, and **14.1178, 25.1751, 4.1726** is the 20% darker color. If you saturate the color by 10%, you get **30.6014, 51.0311, 11.3350**, and if you desaturate by 10%, it is **35.8971, 53.5996, 18.8807**.

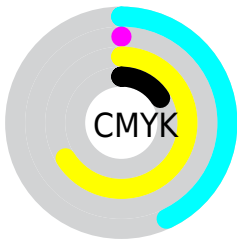
Distribution



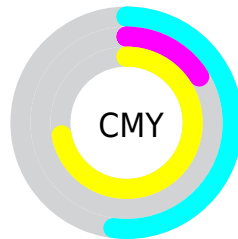
- Red (48%)
- Green (84%)
- Blue (28%)



- Red (28%)
- Yellow (84%)
- Blue (64%)



- Cyan (43%)
- Magenta (0%)
- Yellow (66%)
- Black (16%)





- Cyan (52%)
- Magenta (16%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9900, 52.1940, 14.4666 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 32.9900, 52.1940, 14.4666 by changing the saturation by 10% instead.


 32.9900, 52.1940,
14.4666


 32.9900, 52.1940,
14.4666


307.2705,
395.1851, 231.6431

 22.2780, 37.1597,
8.3035


 63.7147, 93.4173,
34.6436


 14.1790, 25.3312,
4.1992

 84.4581, 120.3751,
49.4946


 8.3278, 16.3240,
1.7352


 109.2760,
152.0762, 68.0786

 4.3590, 9.7537,
0.3847

 138.5337,
188.9050, 90.8142

 1.9072, 5.2360,
0.0000

 172.5967,
231.2459, 118.1199

 0.5810, 2.3864,
0.0000

211.8302,

 0.0000, 0.8189,

279.4833, 150.4143

0.0000

256.5997,
334.0016, 188.1158

■ 0.0000, 0.0000,
0.0000

■ 32.9900, 52.1940,
14.4666

■ 32.9900, 52.1940,
14.4666

■ 30.6014, 51.0311,
11.3350

■ 35.8971, 53.5996,
18.8807

■ 28.6901, 50.0879,
9.3446

■ 39.3522, 55.2557,
24.6922

■ 27.2123, 49.3471,
8.3234

■ 43.3867, 57.1779,
32.0072

■ 26.7384, 49.1079,
8.0695

■ 48.0282, 59.3782,
40.9205

■ 53.3025, 61.8680,
51.5192

■ 59.2336, 64.6581,
63.8839

■ 65.8445, 67.7585,
78.0902

■ 73.1567, 71.1789,
94.2093

■ 79.7568, 74.3548,
104.7560

Harmonies

Analogous

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



44.3220, 52.1940, 8.1719



32.9900, 52.1940, 14.4666



27.0179, 52.1940, 33.8964

Triad

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



32.9900, 52.1940, 14.4666



40.7727, 52.1940, 176.2826



83.6917, 52.1940, 42.5209

Complementary

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



32.9900, 52.1940, 14.4666



29.4346, 17.2272, 64.7275

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.



82.2070, 52.1940, 88.3019



32.9900, 52.1940, 14.4666



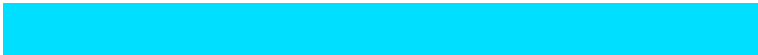
55.3002, 52.1940, 182.7805

Square

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



32.9900, 52.1940, 14.4666



30.8446, 52.1940, 130.0756



71.0396, 52.1940, 144.9294



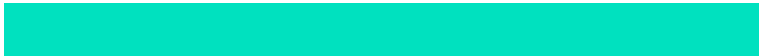
74.7608, 52.1940, 18.0379

Rectangle

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



32.9900, 52.1940, 14.4666



25.9804, 52.1940, 58.2208



71.0396, 52.1940, 144.9294



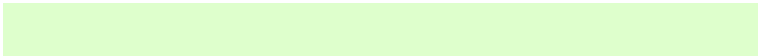
84.4339, 52.1940, 55.4623

Sweetspot

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



32.9912, 52.1962, 14.4677



76.8088, 91.4224, 70.7248



41.4099, 40.2110, 11.7107



15.9611, 19.3419, 14.1770



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.



32.9912, 52.1962, 14.4677



44.8698, 76.1406, 15.7666



28.3481, 49.7206, 17.9563



12.6738, 14.1080, 13.2158



16.4333, 30.0480, 4.9337



1.0798, 1.8580, 0.3017

Inverse Universe

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



29.4346, 17.2272, 64.7275



39.0128, 19.9540, 96.4031



39.5201, 22.6864, 53.4554



12.5059, 12.4022, 15.6723



13.8005, 6.2669, 38.9354



0.9208, 0.4236, 2.3525

Previews

White Background



This preview shows how the XYZ color 32.9900, 52.1940, 14.4666 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 32.9900, 52.1940, 14.4666 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 32.9900, 52.1940, 14.4666

Background



This preview shows how black text looks on a background with the XYZ color 32.9900, 52.1940, 14.4666.



This preview shows how white text looks on a background with the XYZ color 32.9900, 52.1940,

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

32.9900, 52.1940, 14.4666

Protanopia

46.8374, 51.3664, 12.6004

Deuteranopia

52.6773, 51.5051, 15.3487



Tritanopia

44.3662, 51.7729, 71.9448

Trichromacy



Original Color

32.9900, 52.1940, 14.4666



Protanomaly

40.0599, 50.5088, 13.1066



Deuteranomaly

42.9869, 50.3065, 14.8416



Tritanomaly

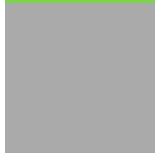
38.5203, 51.1484, 42.4927

Monochromacy



Original Color

32.9900, 52.1940, 14.4666



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

34.9989, 43.6113, 29.1275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9900, 52.1940, 14.4666 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(122, 213, 72)` looks like.

```
.text, #text, p{  
    color:rgb(122, 213, 72)  
}
```

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(122, 213, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 213, 72) }
```

Border

The CSS property to change the border of an element to XYZ 32.9900, 52.1940, 14.4666 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(122, 213, 72) }
```


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

```
.border{ border-color:rgb(122, 213, 72) }
```

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

Here you see how a box with a 4 pixel rgb(122, 213, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 213, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 213, 72);  
box-shadow:4px 4px 4px 4px rgb(122, 213,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9900, 52.1940, 14.4666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 213, 72) }
```

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

```
.background{ background-color: rgb(122,  
213, 72) }
```

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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