

# Converting Colors

XYZ(47.3407, 55.4800, 26.8616)

Have a look what the booklet for  
XYZ(47.3407, 55.4800, 26.8616)  
contains.

<b>XYZ(47.2014, 55.2732, 26.9199)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.2014, 55.2732,  
26.9199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3CA7B
RGB	195, 202, 123
RGB Percent	76%, 79%, 48%
CMY	0.2353, 0.2078, 0.5176
CMYK	0.03, 0.00, 0.39, 0.21
HSL	65°, 43%, 64%
HSV	65°, 39%, 79%
XYZ	47.2014, 55.2732, 26.9199
YIQ	190.9010, 21.1870, -26.0530

# Conversions

## Conversions Part 2

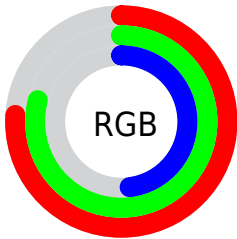
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 202, 130
Decimal	12831355
CIELab	79.20, -14.39, 38.61
CIELCh	79, 41.202, 110.436
Yxy	55.2732, 0.3648, 0.4272
Android (android.graphics.Color)	4291021435 (0xFFC3CA7B)
YUV	190.9010, -33.4752, 3.5948
Hunter-Lab	74.3459, -16.7778, 30.5739

# Details

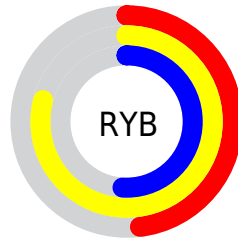
The XYZ color **47.2014, 55.2732, 26.9199** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **26.9515, 23.1774, 58.9334**, and the grayscale version is **49.6444, 52.2298, 56.8782**.

A 20% lighter version of the original color is **84.2038, 95.5770, 55.6052**, and **22.5748, 27.2231, 10.1957** is the 20% darker color. If you saturate the color by 10%, you get **45.6057, 54.5837, 20.9119**, and if you desaturate by 10%, it is **49.0664, 56.0749, 34.3047**.

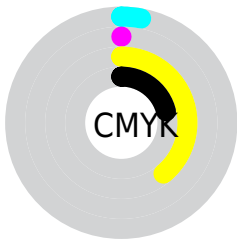
# Distribution



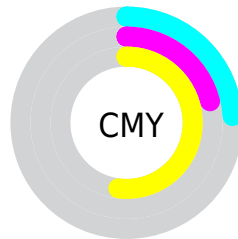
- Red (76%)
- Green (79%)
- Blue (48%)



- Red (48%)
- Yellow (79%)
- Blue (51%)



- Cyan (3%)
- Magenta (0%)
- Yellow (39%)
- Black (21%)



- Cyan (24%)
- Magenta (21%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2014, 55.2732, 26.9199 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 47.2014, 55.2732, 26.9199 by changing the saturation by 10% instead.



■ 47.2014, 55.2732,  
26.9199

■ 47.2014, 55.2732,  
26.9199

366.2534,  
406.9467, 301.0170

■ 33.4035, 39.6205,  
17.2812

■ 85.2311, 97.9411,  
55.7575

■ 22.5965, 27.2428,  
10.2711

■ 110.1936,  
125.7251, 75.7934

■ 14.4149, 17.7556,  
5.4711

■ 139.6084,  
158.3217, 100.1322

■ 8.4934, 10.7747,  
2.4627

173.8407,  
196.1152, 129.1922

■ 4.4667, 5.9155,  
0.8203

213.2560,  
239.4901, 163.3922

■ 1.9694, 2.7938,  
0.0000

258.2197,

■ 0.6167, 1.0250,

288.8307, 203.1507

0.0000

309.0970,  
344.5214, 248.8861

■ 0.0000, 0.0000,  
0.0000

■ 47.2014, 55.2732,  
26.9199

■ 47.2014, 55.2732,  
26.9199

■ 45.6057, 54.5837,  
20.9119

■ 49.0664, 56.0749,  
34.3047

■ 44.2589, 53.9925,  
16.1920

■ 51.2113, 56.9873,  
43.1406

■ 43.1444, 53.4948,  
12.6669

■ 53.6513, 58.0184,  
53.5009

■ 42.2419, 53.0826,  
10.2289

■ 56.3990, 59.1732,  
65.4528

■ 41.5272, 52.7461,  
8.7513

■ 59.4666, 60.4566,  
79.0595

■ 40.9596, 52.4691,  
8.0204

■ 62.8654, 61.8732,  
94.3808

■ 40.9115, 52.4454,  
7.9667

■ 65.0544, 62.8064,  
103.3019

■ 65.5594, 63.0668,  
103.3255

■ 66.0701, 63.3300,  
103.3494

# Harmonies

## Analogous

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



55.2090, 55.2732, 25.6408



47.2014, 55.2732, 26.9199



41.2556, 55.2732, 35.6851

# Triad

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



47.2014, 55.2732, 26.9199



43.0867, 55.2732, 102.3205



69.7370, 55.2732, 68.0318

# Complementary

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



47.2014, 55.2732, 26.9199



26.9515, 23.1774, 58.9334

# 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.



65.7042, 55.2732, 93.9123



47.2014, 55.2732, 26.9199



49.9498, 55.2732, 116.8514

# Square

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



47.2014, 55.2732, 26.9199



39.0578, 55.2732, 77.4355



58.2571, 55.2732, 113.4264



68.8039, 55.2732, 45.7048



# Rectangle

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



47.2014, 55.2732, 26.9199



38.9902, 55.2732, 46.2465



58.2571, 55.2732, 113.4264



68.9025, 55.2732, 76.6712

# Sweetspot

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



47.2028, 55.2757, 26.9211



89.5177, 97.6726, 84.9404



35.8614, 29.8427, 22.6097



19.0416, 20.8557, 17.6741



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.



47.2028, 55.2757, 26.9211



77.5817, 92.5735, 36.7566



38.3919, 50.7335, 26.5087



12.0519, 13.0442, 11.9620



26.3633, 33.7661, 5.1280



1.3895, 1.7571, 0.2659



# Inverse Universe

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



26.9515, 23.1774, 58.9334



38.5493, 30.6804, 98.4979



34.1254, 26.8757, 59.2692



10.6924, 10.8908, 14.1089



7.0521, 2.8430, 36.1333



0.3964, 0.1634, 1.8656



# Previews

## White Background



This preview shows how the XYZ color 47.2014, 55.2732, 26.9199 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 47.2014, 55.2732, 26.9199 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

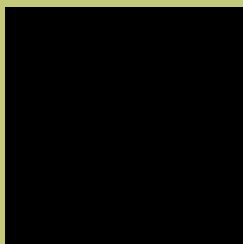
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

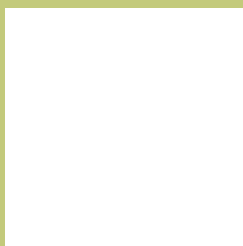
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 47.2014, 55.2732, 26.9199**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2014, 55.2732, 26.9199.



This preview shows how white text looks on a background with the XYZ color 47.2014, 55.2732,



# 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

47.2014, 55.2732, 26.9199

### Protanopia

50.9227, 55.1565, 26.0515

### Deuteranopia

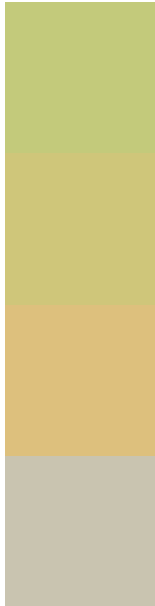
56.1283, 54.8799, 27.3733



## Tritanopia

55.2890, 55.1834, 66.7689

# Trichromacy



## Original Color

47.2014, 55.2732, 26.9199

## Protanomaly

49.4391, 55.0587, 26.4340

## Deuteranomaly

52.3701, 54.5521, 27.1714

## Tritanomaly

51.6638, 55.0320, 48.9736

# Monochromacy



## Original Color

47.2014, 55.2732, 26.9199

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

48.1363, 52.9899, 43.7674

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2014, 55.2732, 26.9199 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(195, 202, 123)` looks like.

```
.text, #text, p{  
    color:rgb(195, 202, 123)  
}
```

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(195, 202, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 202, 123) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2014, 55.2732, 26.9199 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(195, 202, 123) }
```



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

```
.border{ border-color:rgb(195, 202, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 202, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 202, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 202, 123);  
box-shadow:4px 4px 4px 4px rgb(195, 202,  
123) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2014, 55.2732, 26.9199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 202, 123) }
```

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

```
.background{ background-color: rgb(195,  
202, 123) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor