

# Converting Colors

XYZ(64.3252, 75.1575, 26.6800)

Have a look what the booklet for  
XYZ(64.3252, 75.1575, 26.6800)  
contains.

<b>XYZ(64.5115, 75.3330, 26.7634)</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(64.5115, 75.3330,  
26.7634)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E771
RGB	231, 231, 113
RGB Percent	91%, 91%, 44%
CMY	0.0941, 0.0941, 0.5568
CMYK	0.00, 0.00, 0.51, 0.09
HSL	60°, 71%, 67%
HSV	60°, 51%, 91%
XYZ	64.5115, 75.3330, 26.7634
YIQ	217.5480, 37.8780, -36.6980

# Conversions

## Conversions Part 2

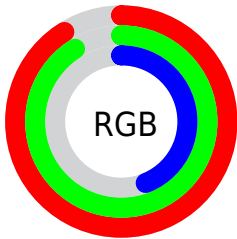
Format	Color
<a href="#">RYB</a>	<a href="#">113, 231, 113</a>
Decimal	<a href="#">15198065</a>
CIELab	<a href="#">89.55, -15.54, 56.70</a>
CIElCh	<a href="#">90, 58.790, 105.329</a>
Yxy	<a href="#">75.3330, 0.3872, 0.4522</a>
Android (android.graphics.Color)	<a href="#">4293388145 (0xFFE7E771)</a>
YUV	<a href="#">217.5480, -51.5422, 11.7974</a>
Hunter-Lab	<a href="#">86.7946, -19.2175, 42.4739</a>

# Details

The XYZ color **64.5115, 75.3330, 26.7634** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.1415, 21.0923, 78.2466**, and the grayscale version is **66.6562, 70.1275, 76.3688**.

A 20% lighter version of the original color is **84.0679, 95.6072, 51.0690**, and **33.5745, 40.2611, 10.2766** is the 20% darker color. If you saturate the color by 10%, you get **63.3734, 74.8804, 20.7644**, and if you desaturate by 10%, it is **65.9842, 75.9249, 34.5086**.

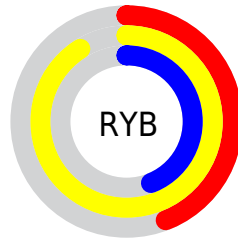
# Distribution



Red (91%)

Green (91%)

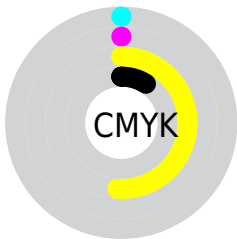
Blue (44%)



Red (44%)

Yellow (91%)

Blue (44%)

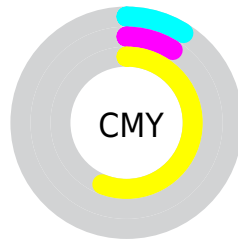


Cyan (0%)

Magenta (0%)

Yellow (51%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.5115, 75.3330, 26.7634 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 64.5115, 75.3330, 26.7634 by changing the saturation by 10% instead.



64.5115, 75.3330,  
26.7634

64.5115, 75.3330,  
26.7634

430.6074,  
479.0614, 300.2336

47.3283, 55.8857,  
17.1647

110.4169,  
126.7836, 55.5031

33.5043, 40.1113,  
10.1888

139.8698,  
159.5558, 75.4812

22.6741, 27.6254,  
5.4171

174.1433,  
197.5384, 99.7562

14.4724, 18.0434,  
2.4310

213.6028,  
241.1157, 128.7466

8.5339, 10.9812,  
0.8033

258.6136,  
290.6723, 162.8710

4.4931, 6.0542,  
0.0000

309.5410,

1.9847, 2.8781,

346.5926, 202.5480

0.0000

366.7505,  
409.2608, 248.1960

■ 0.6253, 1.0684,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.5115, 75.3330,  
26.7634

■ 64.5115, 75.3330,  
26.7634

■ 63.3734, 74.8804,  
20.7644

■ 65.9842, 75.9249,  
34.5086

■ 62.5388, 74.5466,  
16.3719


■ 67.8091, 76.6549,  
44.1160


■ 61.9802, 74.3231,  
13.4326

■ 70.0088, 77.5348,  
55.6974


■ 61.6625, 74.1959,  
11.7615


■ 72.6027, 78.5724,  
69.3542


 61.5304, 74.1431,  
11.0680

 75.6086, 79.7748,  
85.1810

 79.0435, 81.1488,  
103.2666

 79.5855, 81.3657,  
106.1183

 79.5859, 81.3659,  
106.1183

 79.5863, 81.3661,  
106.1183

# Harmonies

## Analogous

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



78.8644, 75.3330, 26.6515



64.5115, 75.3330, 26.7634



53.6203, 75.3330, 37.8691

# Triad

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



64.5115, 75.3330, 26.7634



53.8064, 75.3330, 152.5415



101.9510, 75.3330, 103.8505

# Complementary

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



64.5115, 75.3330, 26.7634



27.1415, 21.0923, 78.2466

# 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.



93.2113, 75.3330, 151.5669



64.5115, 75.3330, 26.7634



64.7993, 75.3330, 185.4663

# Square

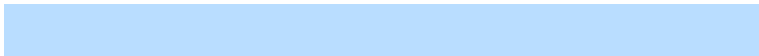
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.5115, 75.3330, 26.7634



48.0294, 75.3330, 104.8865



79.1934, 75.3330, 185.0594



101.8465, 75.3330, 62.7528



# Rectangle

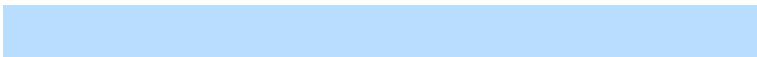
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.5115, 75.3330, 26.7634



49.2239, 75.3330, 53.1163



79.1934, 75.3330, 185.0594



99.9035, 75.3330, 119.8821

# Sweetspot

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



64.5133, 75.3365, 26.7650



89.4911, 97.7763, 79.6313



41.8433, 29.9933, 19.2077



19.0077, 20.8693, 16.2700



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.



64.5133, 75.3365, 26.7650



79.2704, 93.6878, 25.8230



48.5728, 67.1188, 26.0190



15.6016, 16.8172, 15.3282



34.4928, 41.5632, 6.2045



2.5489, 3.0714, 0.4585



# Inverse Universe

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



27.1415, 21.0923, 78.2466



27.7505, 18.9078, 96.7947



37.3445, 26.3521, 78.7241



13.5830, 13.8872, 18.1089



8.0863, 3.2345, 42.5813

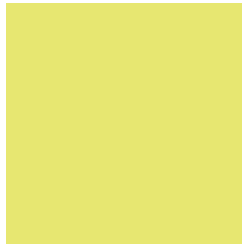


0.5976, 0.2390, 3.1466



# Previews

## White Background



This preview shows how the XYZ color 64.5115, 75.3330, 26.7634 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

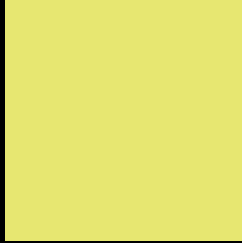
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.5115, 75.3330, 26.7634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

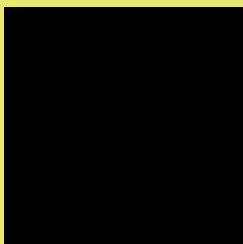
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

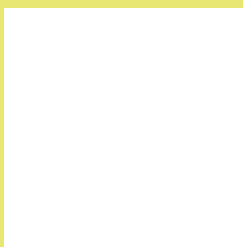
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 64.5115, 75.3330, 26.7634

## Background



This preview shows how black text looks on a background with the XYZ color 64.5115, 75.3330, 26.7634.



This preview shows how white text looks on a background with the XYZ color 64.5115, 75.3330,



# 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

64.5115, 75.3330, 26.7634

### Protanopia

68.8614, 75.1379, 25.9126

### Deuteranopia

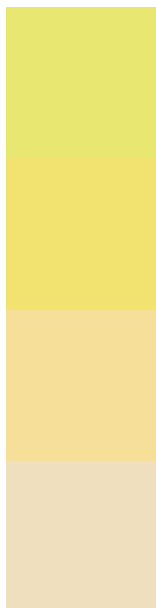
74.3094, 75.0182, 51.1209



## Tritanopia

77.3750, 75.3741, 89.0678

# Trichromacy



## Original Color

64.5115, 75.3330, 26.7634

## Protanomaly

67.0117, 74.9853, 26.2709

## Deuteranomaly

70.0612, 74.6352, 40.4192

## Tritanomaly

71.3882, 74.8877, 59.9824

# Monochromacy



## Original Color

64.5115, 75.3330, 26.7634

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

65.0573, 71.7586, 53.6019

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.5115, 75.3330, 26.7634 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(231, 231, 113)` looks like.

```
.text, #text, p{  
    color:rgb(231, 231, 113)  
}
```

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(231, 231, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 231, 113) }
```

## Border

The CSS property to change the border of an element to XYZ 64.5115, 75.3330, 26.7634 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(231, 231, 113) }
```



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

```
.border{ border-color:rgb(231, 231, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 231, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 231, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 231, 113);  
box-shadow:4px 4px 4px 4px rgb(231, 231,  
113) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.5115, 75.3330, 26.7634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 231, 113) }
```

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

```
.background{ background-color: rgb(231,  
231, 113) }
```

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