

# Converting Colors

XYZ(64.8702, 76.3034, 26.2906)

Have a look what the booklet for  
XYZ(64.8702, 76.3034, 26.2906)  
contains.

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# Color

**XYZ(64.9632, 76.4144,  
26.3645)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7E96F
RGB	231, 233, 111
RGB Percent	91%, 91%, 44%
CMY	0.0941, 0.0863, 0.5647
CMYK	0.01, 0.00, 0.52, 0.09
HSL	61°, 73%, 67%
HSV	61°, 52%, 91%
XYZ	64.9632, 76.4144, 26.3645
YIQ	218.4940, 37.9700, -38.3660

# Conversions

## Conversions Part 2

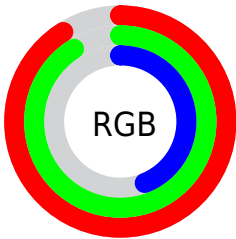
<b>Format</b>	<b>Color</b>
<b>RYB</b>	111, 233, 113
Decimal	15198575
CIELab	90.05, -16.69, 58.19
CIElCh	90, 60.535, 106.000
Yxy	76.4144, 0.3873, 0.4555
Android (android.graphics.Color)	4293388655 (0xFFE7E96F)
YUV	218.4940, -52.9945, 10.9678
Hunter-Lab	87.4153, -20.3235, 43.3088

# Details

The XYZ color **64.9632, 76.4144, 26.3645** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.2050, 20.7646, 79.6694**, and the grayscale version is **67.3200, 70.8258, 77.1293**.

A 20% lighter version of the original color is **83.8829, 95.5332, 50.0950**, and **33.8925, 41.0204, 10.0023** is the 20% darker color. If you saturate the color by 10%, you get **63.7212, 75.9061, 20.4610**, and if you desaturate by 10%, it is **66.5437, 77.0637, 34.0332**.

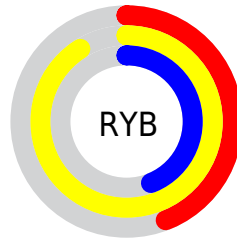
# Distribution



Red (91%)

Green (91%)

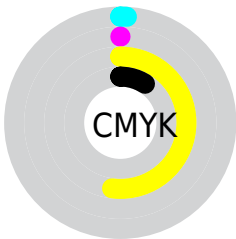
Blue (44%)



Red (44%)

Yellow (91%)

Blue (44%)

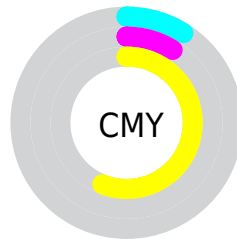


Cyan (1%)

Magenta (0%)

Yellow (52%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.9632, 76.4144, 26.3645 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 64.9632, 76.4144, 26.3645 by changing the saturation by 10% instead.



64.9632, 76.4144,  
26.3645

64.9632, 76.4144,  
26.3645

432.2070,  
482.7651, 298.2290

47.6958, 56.7724,  
16.8683

111.0630,  
128.3125, 54.8537

33.7963, 40.8225,  
9.9797

140.6260,  
161.3374, 74.6837

22.8993, 28.1804,  
5.2801

175.0184,  
199.5920, 98.7955

14.6395, 18.4617,  
2.3509

214.6054,  
243.4608, 127.6076

8.6514, 11.2820,  
0.7595

259.7525,  
293.3281, 161.5384

4.5698, 6.2568,  
0.0000

310.8248,

2.0293, 3.0019,

349.5783, 201.0066

0.0000

368.1879,  
412.5958, 246.4306

■ 0.6503, 1.1327,  
0.0000

■ 0.0000, 0.0057,  
0.0000

■ 64.9632, 76.4144,  
26.3645

■ 64.9632, 76.4144,  
26.3645

■ 63.7212, 75.9061,  
20.4610

■ 66.5437, 77.0637,  
34.0332

■ 62.7857, 75.5177,  
16.1780


■ 68.4811, 77.8530,  
43.5875


■ 62.1278, 75.2403,  
13.3555

■ 70.7986, 78.7943,  
55.1425

■ 61.7106, 75.0593,  
11.7992

■ 73.5163, 79.8958,  
68.8031


 61.5095, 74.9680,  
11.2284

 76.6525, 81.1647,  
84.6665

 80.2247, 82.6081,  
102.8242

 81.0179, 82.9399,  
106.3466

 81.1436, 83.0047,  
106.3525

 81.2696, 83.0696,  
106.3584

# Harmonies

## Analogous

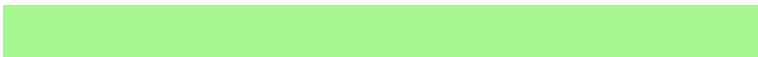
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8364, 76.4144, 26.0192



64.9632, 76.4144, 26.3645



53.7880, 76.4144, 37.9872

# Triad

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



64.9632, 76.4144, 26.3645



54.3728, 76.4144, 157.9264



104.3786, 76.4144, 104.8388

# Complementary

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



64.9632, 76.4144, 26.3645



27.2050, 20.7646, 79.6694

# 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.



95.4257, 76.4144, 154.8217



64.9632, 76.4144, 26.3645



65.8701, 76.4144, 191.9002

# Square

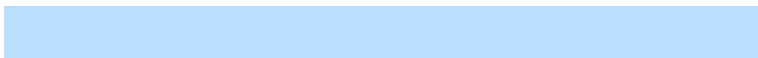
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



64.9632, 76.4144, 26.3645



48.2738, 76.4144, 108.1213



80.8766, 76.4144, 190.6005



104.0471, 76.4144, 62.4403



# Rectangle

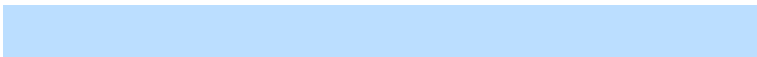
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64.9632, 76.4144, 26.3645



49.3301, 76.4144, 53.9131



80.8766, 76.4144, 190.6005



102.3070, 76.4144, 121.5439

# Sweetspot

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



64.9650, 76.4179, 26.3661



88.9168, 97.5182, 77.8888



42.1605, 29.8421, 18.5780



18.8837, 20.8129, 15.9265



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.



64.9650, 76.4179, 26.3661



78.0709, 93.0969, 24.5269



49.0244, 68.2002, 25.6201



16.3260, 17.6136, 16.0580



34.9109, 42.5417, 6.3714



2.7492, 3.3446, 0.5007



# Inverse Universe

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



27.2050, 20.7646, 79.6694



27.0128, 17.8287, 96.6253



37.4080, 26.0244, 80.1469



14.2541, 14.5607, 18.9815



8.3829, 3.3575, 43.9492

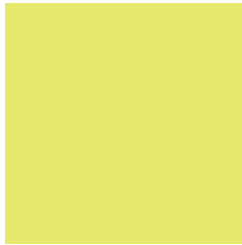


0.6664, 0.2678, 3.4514



# Previews

## White Background



This preview shows how the XYZ color 64.9632, 76.4144, 26.3645 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 64.9632, 76.4144, 26.3645 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

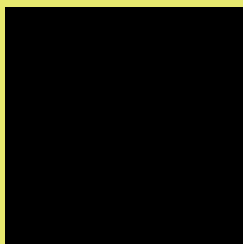
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

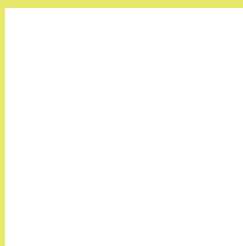
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 64.9632, 76.4144, 26.3645**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.9632, 76.4144, 26.3645.



This preview shows how white text looks on a background with the XYZ color 64.9632, 76.4144,



# 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

64.9632, 76.4144, 26.3645

### Protanopia

70.0131, 76.5515, 25.5538

### Deuteranopia

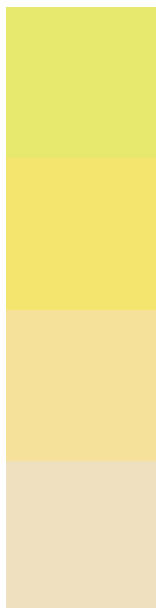
75.2331, 76.2276, 53.3960



## Tritanopia

77.9258, 76.0106, 90.6851

# Trichromacy



## Original Color

64.9632, 76.4144, 26.3645

## Protanomaly

68.1420, 76.3975, 25.9066

## Deuteranomaly

70.7640, 75.7764, 41.4685

## Tritanomaly

71.6562, 75.4236, 60.0717

# Monochromacy



## Original Color

64.9632, 76.4144, 26.3645

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

64.9558, 71.7180, 53.0672

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.9632, 76.4144, 26.3645 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, 233, 111)` looks like.

```
.text, #text, p{  
    color:rgb(231, 233, 111)  
}
```

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, 233, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 233, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 64.9632, 76.4144, 26.3645 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, 233, 111) }
```



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

```
.border{ border-color:rgb(231, 233, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 233, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 233, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 233, 111);  
box-shadow:4px 4px 4px 4px rgb(231, 233,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.9632, 76.4144, 26.3645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 233, 111) }
```

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

```
.background{ background-color: rgb(231,  
233, 111) }
```

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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