

Converting Colors

XYZ(63.6633, 76.4786, 31.4851)

Have a look what the booklet for
XYZ(63.6633, 76.4786, 31.4851)
contains.

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Color

**XYZ(63.6633, 76.4786,
31.4851)**

Conversions

Conversions Part 1

Format	Color
Hex	DEEB7F
RGB	222, 235, 127
RGB Percent	87%, 92%, 50%
CMY	0.1294, 0.0784, 0.5019
CMYK	0.06, 0.00, 0.46, 0.08
HSL	67°, 73%, 71%
HSV	67°, 46%, 92%
XYZ	63.6633, 76.4786, 31.4851
YIQ	218.8010, 26.9200, -36.3440

Conversions

Conversions Part 2

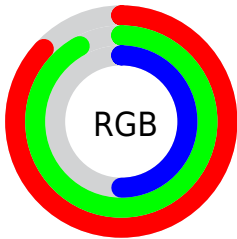
Format	Color
RYB	127, 235, 140
Decimal	14609279
CIELab	90.08, -19.77, 50.64
CIElCh	90, 54.366, 111.325
Yxy	76.4786, 0.3709, 0.4456
Android (android.graphics.Color)	4292799359 (0xFFDEEB7F)
YUV	218.8010, -45.2579, 2.8055
Hunter-Lab	87.4520, -23.0967, 39.8704

Details

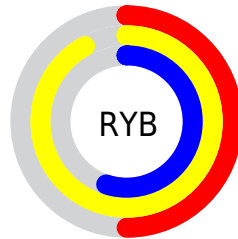
The XYZ color **63.6633, 76.4786, 31.4851** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.4028, 26.7543, 82.0054**, and the grayscale version is **67.4864, 71.0010, 77.3201**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **32.9071, 40.7475, 12.7873** is the 20% darker color. If you saturate the color by 10%, you get **61.4481, 75.4959, 24.2981**, and if you desaturate by 10%, it is **66.2540, 77.6186, 40.5572**.

Distribution



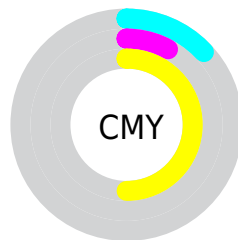
- Red (87%)
- Green (92%)
- Blue (50%)



- Red (50%)
- Yellow (92%)
- Blue (55%)



- Cyan (6%)
- Magenta (0%)
- Yellow (46%)
- Black (8%)



- Cyan (13%)
- Magenta (8%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6633, 76.4786, 31.4851 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 63.6633, 76.4786, 31.4851 by changing the saturation by 10% instead.

63.6633, 76.4786,
31.4851

63.6633, 76.4786,
31.4851

427.5943,
482.9845, 323.1871

46.6387, 56.8250,
20.7070

109.2023,
128.4032, 63.0915

32.9569, 40.8648,
12.7208

138.4475,
161.4430, 84.7569

22.2525, 28.2134,
7.1081

172.4968,
199.7138, 110.8884

14.1602, 18.4866,
3.4503

211.7157,
243.5998, 141.9046

8.3146, 11.2999,
1.3289

256.4696,
293.4855, 178.2240

4.3504, 6.2689,
0.0853

307.1237,

1.9022, 3.0093,

349.7552, 220.2652

0.0000

364.0435,
412.7934, 268.4467

■ 0.5781, 1.1366,
0.0000

■ 0.0000, 0.0090,
0.0000

■ 63.6633, 76.4786,
31.4851

■ 63.6633, 76.4786,
31.4851

■ 61.4481, 75.4959,
24.2981

■ 66.2540, 77.6186,
40.5572

■ 59.5775, 74.6501,
18.8586


■ 69.2376, 78.9147,
51.6294

■ 58.0248, 73.9330,
15.0182


■ 72.6367, 80.3787,
64.8134

■ 56.7568, 73.3315,
12.6019

■ 76.4708, 82.0184,
80.2111

 55.7322, 72.8290,
11.3928


 80.7581, 83.8411,
97.9179

 55.3600, 72.6431,
11.1037

 83.3500, 84.9874,
106.6189

 84.3129, 85.4838,
106.6640

 85.2908, 85.9879,
106.7098

 86.2839, 86.4999,
106.7562

Harmonies

Analogous

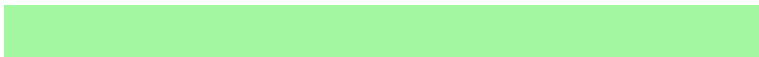
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.6719, 76.4786, 29.3223



63.6633, 76.4786, 31.4851



54.2690, 76.4786, 44.9546

Triad

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



63.6633, 76.4786, 31.4851



57.6620, 76.4786, 155.7390



101.4532, 76.4786, 94.9818

Complementary

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



63.6633, 76.4786, 31.4851



33.4028, 26.7543, 82.0054

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.



94.8702, 76.4786, 138.8285



63.6633, 76.4786, 31.4851



68.8496, 76.4786, 180.3631

Square

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



63.6633, 76.4786, 31.4851



51.1138, 76.4786, 113.3008



82.5333, 76.4786, 173.3664



99.6177, 76.4786, 59.0817

Rectangle

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



63.6633, 76.4786, 31.4851



50.7902, 76.4786, 61.6865



82.5333, 76.4786, 173.3664



100.1246, 76.4786, 109.3839

Sweetspot

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



63.6652, 76.4821, 31.4867



88.2617, 97.1040, 81.3161



47.4141, 37.8360, 24.8838



18.6879, 20.6969, 16.5979



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.



63.6652, 76.4821, 31.4867



74.1371, 90.9483, 29.7917



49.7757, 69.3218, 30.8367



16.1630, 17.5296, 16.0504



30.8812, 40.4643, 6.1828



2.4753, 3.2034, 0.4879

Inverse Universe

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



33.4028, 26.7543, 82.0054



33.6117, 24.3011, 97.5268



44.7329, 32.5951, 82.5356



14.3997, 14.6358, 18.9883



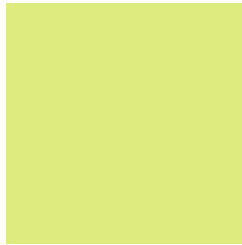
8.6722, 3.5066, 43.9627



0.7361, 0.3037, 3.4547

Previews

White Background



This preview shows how the XYZ color 63.6633, 76.4786, 31.4851 looks on a white background.

Color Contrast Check

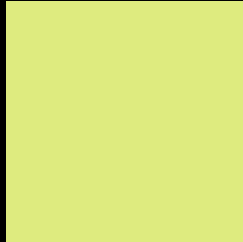
Large Text (above 18pt) WCAG AA × Fail

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 63.6633, 76.4786, 31.4851 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 63.6633, 76.4786, 31.4851

Background



This preview shows how black text looks on a background with the XYZ color 63.6633, 76.4786, 31.4851.



This preview shows how white text looks on a background with the XYZ color 63.6633, 76.4786,

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

63.6633, 76.4786, 31.4851

Protanopia

69.9014, 75.9877, 30.0517

Deuteranopia

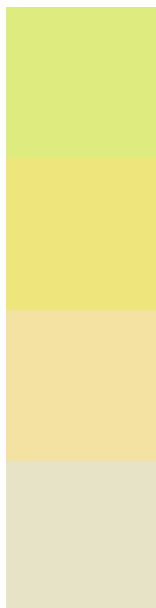
75.4369, 76.3091, 54.4692



Tritanopia

76.1104, 76.1960, 93.1339

Trichromacy



Original Color

63.6633, 76.4786, 31.4851

Protanomaly

67.3176, 75.8700, 30.4984

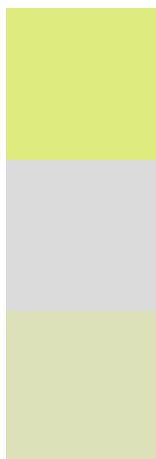
Deuteranomaly

70.5915, 76.0206, 44.6711

Tritanomaly

70.4110, 75.8847, 64.9690

Monochromacy



Original Color

63.6633, 76.4786, 31.4851

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.3033, 72.6112, 57.0279

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6633, 76.4786, 31.4851 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(222, 235, 127)` looks like.

```
.text, #text, p{  
    color:rgb(222, 235, 127)  
}
```

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(222, 235, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 235, 127) }
```

Border

The CSS property to change the border of an element to XYZ 63.6633, 76.4786, 31.4851 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(222, 235, 127) }
```


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

```
.border{ border-color:rgb(222, 235, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 235, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(222, 235, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(222, 235, 127); box-shadow:4px 4px 4px 4px rgb(222, 235, 127) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6633, 76.4786, 31.4851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 235, 127) }
```

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

```
.background{ background-color: rgb(222,  
235, 127) }
```

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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