

Converting Colors

XYZ(64.0654, 73.6387, 36.8237)

Have a look what the booklet for
XYZ(64.0654, 73.6387, 36.8237)
contains.

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Color

**XYZ(64.0654, 73.6387,
36.8237)**

Conversions

Conversions Part 1

Format	Color
Hex	E2E48F
RGB	226, 228, 143
RGB Percent	89%, 89%, 56%
CMY	0.1137, 0.1059, 0.4392
CMYK	0.01, 0.00, 0.37, 0.11
HSL	61°, 61%, 73%
HSV	61°, 37%, 89%
XYZ	64.0654, 73.6387, 36.8237
YIQ	217.7120, 26.0930, -26.8590

Conversions

Conversions Part 2

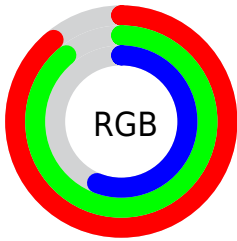
Format	Color
R_{YB}	143, 228, 145
Decimal	14869647
CIE _{Lab}	88.75, -13.12, 41.26
CIE _{LCh}	89, 43.298, 107.639
Yxy	73.6387, 0.3671, 0.4219
Android (android.graphics.Color)	4293059727 (0xFFE2E48F)
YUV	217.7120, -36.8330, 7.2686
Hunter-Lab	85.8130, -16.9100, 34.6268

Details

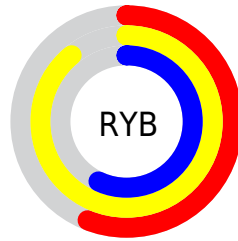
The XYZ color **64.0654, 73.6387, 36.8237** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.5057, 31.2679, 77.5670**, and the grayscale version is **66.6768, 70.1492, 76.3925**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **33.1941, 39.0775, 15.6907** is the 20% darker color. If you saturate the color by 10%, you get **62.3431, 72.9329, 28.6253**, and if you desaturate by 10%, it is **66.1430, 74.4919, 46.8740**.

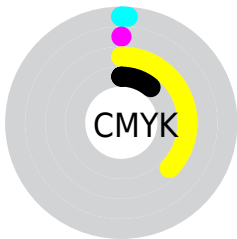
Distribution



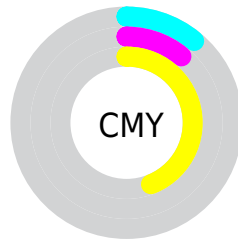
- Red (89%)
- Green (89%)
- Blue (56%)



- Red (56%)
- Yellow (89%)
- Blue (57%)



- Cyan (1%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)



- Cyan (11%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.0654, 73.6387, 36.8237 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 64.0654, 73.6387, 36.8237 by changing the saturation by 10% instead.

64.0654, 73.6387,
36.8237

64.0654, 73.6387,
36.8237

429.0243,
473.2255, 347.6923

46.9655, 54.4984,
24.7763

109.7783,
124.3835, 71.4848

33.2162, 39.0002,
15.6930

139.1221,
156.7568, 94.9357

22.4522, 26.7599,
9.1552

173.2779,
194.3098, 123.0247

14.3080, 17.3930,
4.7443

212.6110,
237.4270, 156.1705

8.4183, 10.5151,
2.0419

257.4868,
286.4928, 194.7917

4.4178, 5.7418,
0.5809

308.2708,

1.9411, 2.6887,

341.8915, 239.3066

0.0000

365.3281,
404.0076, 290.1340

■ 0.6006, 0.9715,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.0654, 73.6387,
36.8237

■ 64.0654, 73.6387,
36.8237

■ 62.3431, 72.9329,
28.6253

■ 66.1430, 74.4919,
46.8740

■ 60.9492, 72.3560,
22.1614


■ 68.5899, 75.4902,
58.8749


■ 59.8617, 71.9017,
17.3086


■ 71.4262, 76.6444,
72.9234


■ 59.0538, 71.5592,
13.9251


■ 74.6689, 77.9612,
89.1088


 58.4939, 71.3160,
11.8448


 78.0093, 79.3171,
105.8059


 58.1403, 71.1554,
10.8481

 78.1809, 79.4055,
105.8140

 58.0614, 71.1187,
10.6671

 78.3531, 79.4943,
105.8220

 78.5258, 79.5833,
105.8301

 78.6990, 79.6726,
105.8382

Harmonies

Analogous

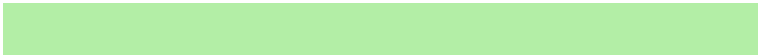
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3908, 73.6387, 36.0115



64.0654, 73.6387, 36.8237



56.1422, 73.6387, 47.2628

Triad

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



64.0654, 73.6387, 36.8237



57.2818, 73.6387, 130.7854



91.5603, 73.6387, 93.1690

Complementary

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



64.0654, 73.6387, 36.8237



35.5057, 31.2679, 77.5670

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.



85.9492, 73.6387, 125.6505



64.0654, 73.6387, 36.8237



65.7689, 73.6387, 150.7317

Square

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



64.0654, 73.6387, 36.8237



52.5026, 73.6387, 98.9546



76.2720, 73.6387, 148.6477



90.9874, 73.6387, 63.9443

Rectangle

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



64.0654, 73.6387, 36.8237



52.9724, 73.6387, 60.1814



76.2720, 73.6387, 148.6477



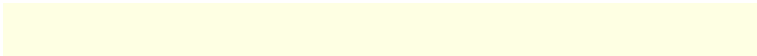
90.3133, 73.6387, 104.1805

Sweetspot

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



64.0672, 73.6420, 36.8252



90.6152, 98.1980, 86.8150



46.9918, 38.5519, 30.9521



19.2879, 20.9747, 18.0492



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.



64.0672, 73.6420, 36.8252



80.7630, 94.1709, 38.8278



52.4912, 67.6744, 36.2835



15.5662, 16.7990, 15.3265



33.5400, 41.0720, 6.1599



2.4892, 3.0406, 0.4557

Inverse Universe

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



35.5057, 31.2679, 77.5670



38.7850, 31.8852, 98.7180



44.3014, 35.8023, 77.9786



13.6141, 13.9033, 18.1104



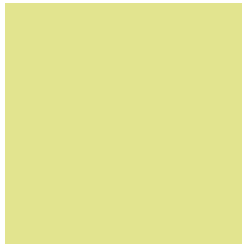
8.1389, 3.2617, 42.5838



0.6126, 0.2468, 3.1473

Previews

White Background



This preview shows how the XYZ color 64.0654, 73.6387, 36.8237 looks on a white background.

Color Contrast Check

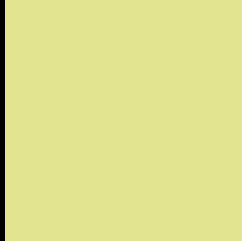
Large Text (above 18pt) WCAG AA × Fail

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 64.0654, 73.6387, 36.8237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

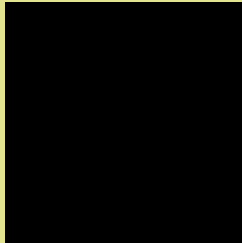
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.0654, 73.6387, 36.8237

Background



This preview shows how black text looks on a background with the XYZ color 64.0654, 73.6387, 36.8237.

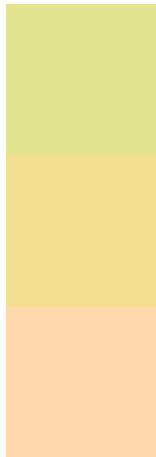


This preview shows how white text looks on a background with the XYZ color 64.0654, 73.6387,

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

64.0654, 73.6387, 36.8237

Protanopia

68.1575, 73.7531, 35.8428

Deuteranopia

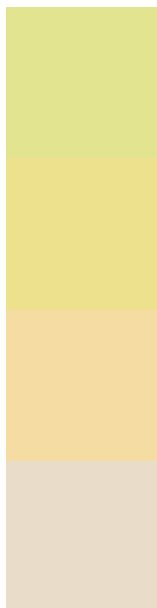
73.4358, 73.4277, 50.3469



Tritanopia

74.5892, 73.5707, 88.1112

Trichromacy



Original Color

64.0654, 73.6387, 36.8237

Protanomaly

66.7328, 73.8079, 36.3204

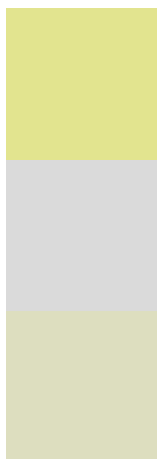
Deuteranomaly

69.5123, 73.0638, 45.0894

Tritanomaly

70.0033, 73.2536, 65.7081

Monochromacy



Original Color

64.0654, 73.6387, 36.8237

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.3440, 71.3763, 59.6232

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.0654, 73.6387, 36.8237 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(226, 228, 143)` looks like.

```
.text, #text, p{  
    color:rgb(226, 228, 143)  
}
```

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(226, 228, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 228, 143) }
```

Border

The CSS property to change the border of an element to XYZ 64.0654, 73.6387, 36.8237 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(226, 228, 143) }
```


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

```
.border{ border-color:rgb(226, 228, 143) }
```

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

Here you see how a box with a 4 pixel rgb(226, 228, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 228, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 228, 143);  
box-shadow:4px 4px 4px 4px rgb(226, 228,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 64.0654, 73.6387, 36.8237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 228, 143) }
```

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

```
.background{ background-color: rgb(226,  
228, 143) }
```

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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