

Converting Colors

XYZ(64.4287, 75.8405, 30.4749)

Have a look what the booklet for
XYZ(64.4287, 75.8405, 30.4749)
contains.

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Color

**XYZ(64.4556, 76.0640,
30.3534)**

Conversions

Conversions Part 1

Format	Color
Hex	E3E97C
RGB	227, 233, 124
RGB Percent	89%, 91%, 49%
CMY	0.1098, 0.0863, 0.5137
CMYK	0.03, 0.00, 0.47, 0.09
HSL	63°, 71%, 70%
HSV	63°, 47%, 91%
XYZ	64.4556, 76.0640, 30.3534
YIQ	218.7800, 31.4130, -35.1710

Conversions

Conversions Part 2

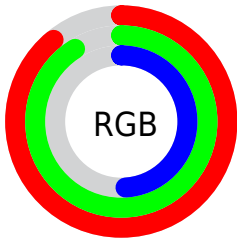
Format	Color
RYB	124, 233, 130
Decimal	14936444
CIELab	89.89, -17.14, 51.92
CIELCh	90, 54.671, 108.266
Yxy	76.0640, 0.3772, 0.4451
Android (android.graphics.Color)	4293126524 (0xFFE3E97C)
YUV	218.7800, -46.7265, 7.2089
Hunter-Lab	87.2147, -20.7061, 40.4155

Details

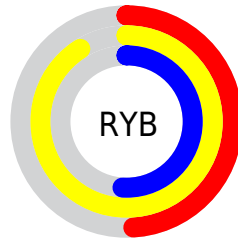
The XYZ color **64.4556, 76.0640, 30.3534** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.1242, 25.0461, 80.2893**, and the grayscale version is **67.4795, 70.9937, 77.3122**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **33.4370, 40.4453, 12.0056** is the 20% darker color. If you saturate the color by 10%, you get **62.7501, 75.3379, 23.4700**, and if you desaturate by 10%, it is **66.5160, 76.9378, 39.0735**.

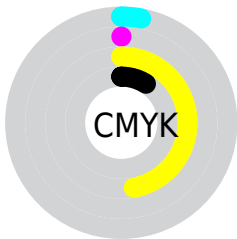
Distribution



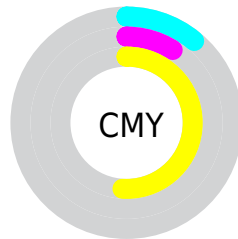
- Red (89%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (51%)



- Cyan (3%)
- Magenta (0%)
- Yellow (47%)
- Black (9%)



- Cyan (11%)
- Magenta (9%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4556, 76.0640, 30.3534 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 64.4556, 76.0640, 30.3534 by changing the saturation by 10% instead.

64.4556, 76.0640,
30.3534

64.4556, 76.0640,
30.3534

430.4092,
481.5668, 317.8067

47.2828, 56.4850,
19.8527

110.3369,
127.8174, 61.2882

33.4682, 40.5919,
12.1050

139.7761,
160.7605, 82.5594

22.6463, 28.0003,
6.6918

174.0349,
198.9272, 108.2577

14.4518, 18.3259,
3.1946

213.4786,
242.7017, 138.8018

8.5194, 11.1842,
1.1948

258.4725,
292.4686, 174.6103

4.4836, 6.1909,
0.0000

309.3820,

1.9792, 2.9615,

348.6121, 216.1015

0.0000

366.5725,
411.5167, 263.6942

■ 0.6222, 1.1117,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4556, 76.0640,
30.3534

■ 64.4556, 76.0640,
30.3534

■ 62.7501, 75.3379,
23.4700

■ 66.5160, 76.9378,
39.0735

■ 61.3690, 74.7392,
18.2874


■ 68.9482, 77.9580,
49.7440


■ 60.2860, 74.2601,
14.6587


■ 71.7747, 79.1363,
62.4748


■ 59.4680, 73.8873,
12.4100

■ 75.0145, 80.4802,
77.3664


 58.8729, 73.6041,
11.3194


 78.6855, 81.9970,
94.5126

 58.7065, 73.5230,
11.0972

 81.3537, 83.1130,
106.3624

 81.7784, 83.3319,
106.3822

 82.2063, 83.5525,
106.4023

 82.6372, 83.7746,
106.4224

Harmonies

Analogous

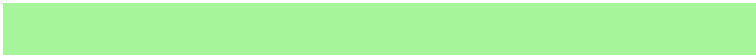
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7097, 76.0640, 29.2435



64.4556, 76.0640, 30.3534



54.5907, 76.0640, 42.5091

Triad

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



64.4556, 76.0640, 30.3534



56.3449, 76.0640, 151.6764



100.8332, 76.0640, 98.8923

Complementary

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



64.4556, 76.0640, 30.3534



31.1242, 25.0461, 80.2893

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.



93.4684, 76.0640, 142.8786



64.4556, 76.0640, 30.3534



67.1408, 76.0640, 179.1168

Square

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



64.4556, 76.0640, 30.3534



50.3257, 76.0640, 108.3986



80.7489, 76.0640, 175.4722



99.8798, 76.0640, 61.6207

Rectangle

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



64.4556, 76.0640, 30.3534



50.7493, 76.0640, 58.2114



80.7489, 76.0640, 175.4722



99.2143, 76.0640, 113.5404

Sweetspot

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



64.4574, 76.0675, 30.3550



89.1057, 97.5391, 81.3556



45.1546, 34.6001, 23.3683



18.8959, 20.8041, 16.6077



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.



64.4574, 76.0675, 30.3550



77.1000, 92.4924, 29.1769



50.0245, 68.6270, 29.6795



16.2652, 17.5822, 16.0552



33.3447, 41.7343, 6.2981



2.6435, 3.2901, 0.4957

Inverse Universe

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



31.1242, 25.0461, 80.2893



31.6215, 22.8505, 97.3517



41.6732, 30.4843, 80.7830



14.3080, 14.5885, 18.9840



8.4705, 3.4026, 43.9533



0.6923, 0.2812, 3.4527

Previews

White Background



This preview shows how the XYZ color 64.4556, 76.0640, 30.3534 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 64.4556, 76.0640, 30.3534 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 64.4556, 76.0640, 30.3534

Background



This preview shows how black text looks on a background with the XYZ color 64.4556, 76.0640, 30.3534.



This preview shows how white text looks on a background with the XYZ color 64.4556, 76.0640,

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

64.4556, 76.0640, 30.3534

Protanopia

69.7761, 75.9376, 29.3922

Deuteranopia

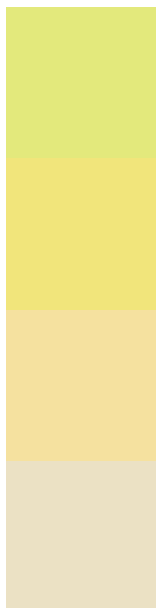
74.9699, 75.7011, 53.3083



Tritanopia

76.8144, 75.8261, 90.7081

Trichromacy



Original Color

64.4556, 76.0640, 30.3534

Protanomaly

67.8701, 76.1695, 29.8639

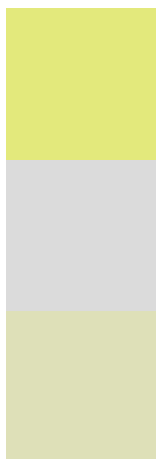
Deuteranomaly

70.8394, 75.7661, 43.6916

Tritanomaly

71.1500, 75.4981, 63.0471

Monochromacy



Original Color

64.4556, 76.0640, 30.3534

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.4316, 72.3016, 55.8544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4556, 76.0640, 30.3534 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(227, 233, 124)` looks like.

```
.text, #text, p{  
    color:rgb(227, 233, 124)  
}
```

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(227, 233, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 233, 124) }
```

Border

The CSS property to change the border of an element to XYZ 64.4556, 76.0640, 30.3534 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(227, 233, 124) }
```


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

```
.border{ border-color:rgb(227, 233, 124) }
```

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

Here you see how a box with a 4 pixel rgb(227, 233, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 233, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 233, 124);  
box-shadow:4px 4px 4px 4px rgb(227, 233,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4556, 76.0640, 30.3534 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 233, 124) }
```

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

```
.background{ background-color: rgb(227,  
233, 124) }
```

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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