

Converting Colors

XYZ(67.3684, 78.2976, 54.7715)

Have a look what the booklet for
XYZ(67.3684, 78.2976, 54.7715)
contains.

XYZ(67.4471, 78.3463, 54.7475)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(67.4471, 78.3463,
54.7475)**

Conversions

Conversions Part 1

Format	Color
Hex	DBECB4
RGB	219, 236, 180
RGB Percent	86%, 93%, 71%
CMY	0.1412, 0.0745, 0.2941
CMYK	0.07, 0.00, 0.24, 0.07
HSL	78°, 60%, 82%
HSV	78°, 24%, 93%
XYZ	67.4471, 78.3463, 54.7475
YIQ	224.5330, 7.8440, -21.0200

Conversions

Conversions Part 2

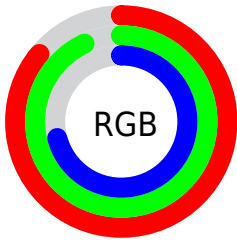
Format	Color
RYB	180, 236, 197
Decimal	14412980
CIELab	90.94, -14.96, 25.34
CIELCh	91, 29.426, 120.562
Yxy	78.3463, 0.3363, 0.3907
Android (android.graphics.Color)	4292603060 (0xFFDBECB4)
YUV	224.5330, -21.9548, -4.8524
Hunter-Lab	88.5134, -18.8818, 25.2873

Details

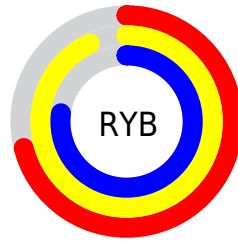
The XYZ color **67.4471, 78.3463, 54.7475** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.4907, 50.5711, 86.2505**, and the grayscale version is **71.3832, 75.1007, 81.7846**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **35.4619, 42.0673, 26.3294** is the 20% darker color. If you saturate the color by 10%, you get **63.1356, 76.3806, 43.0464**, and if you desaturate by 10%, it is **72.2649, 80.5305, 68.6124**.

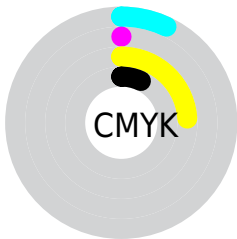
Distribution



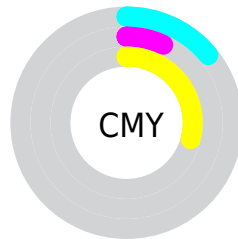
- Red (86%)
- Green (93%)
- Blue (71%)



- Red (71%)
- Yellow (93%)
- Blue (77%)



- Cyan (7%)
- Magenta (0%)
- Yellow (24%)
- Black (7%)



- Cyan (14%)
- Magenta (7%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4471, 78.3463, 54.7475 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 67.4471, 78.3463, 54.7475 by changing the saturation by 10% instead.

■ 67.4471, 78.3463,
54.7475

■ 67.4471, 78.3463,
54.7475

440.9421,
489.3421, 422.2090

■ 49.7201, 58.3585,
38.8024

■ 114.6071,
131.0382, 98.6383

■ 35.4079, 42.0969,
26.2994

144.7708,
164.5110, 127.4211

■ 24.1453, 29.1772,
16.8200

179.8107,
203.2477, 161.3202

■ 15.5667, 19.2149,
9.9456

220.0923,
247.6326, 200.7541

■ 9.3070, 11.8257,
5.2578

265.9809,
298.0501, 246.1414

■ 5.0007, 6.6251,
2.3379

317.8418,

■ 2.2824, 3.2288,

354.8846, 297.9007

0.7523

376.0404,
418.5205, 356.4503

■ 0.7856, 1.2523,
0.0000

■ 0.0000, 0.1038,
0.0000

■ 67.4471, 78.3463,
54.7475

■ 67.4471, 78.3463,
54.7475

■ 63.1356, 76.3806,
43.0464

■ 72.2649, 80.5305,
68.6124

■ 59.3024, 74.6142,
33.3947

■ 77.6034, 82.9312,
84.7374

■ 55.9259, 73.0409,
25.6753

■ 83.4836, 85.5596,
103.2193

■ 52.9800, 71.6501,
19.7573

■ 86.6399, 87.1095,
106.8551

■ 50.4355, 70.4301,
15.4935

■ 89.2251, 88.4422,
106.9761

■ 48.2588, 69.3673,
12.7133

■ 89.2871, 88.4742,
106.9790

■ 46.4093, 68.4452,
11.2096

■ 45.3781, 67.9234,
10.7189

Harmonies

Analogous

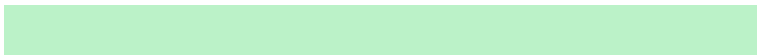
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.3261, 78.3463, 50.6349



67.4471, 78.3463, 54.7475



62.7233, 78.3463, 66.7649

Triad

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



67.4471, 78.3463, 54.7475



67.6740, 78.3463, 126.0496



89.6565, 78.3463, 84.9060

Complementary

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



67.4471, 78.3463, 54.7475



54.4907, 50.5711, 86.2505

Split Complementary

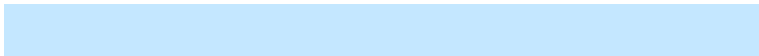
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5894, 78.3463, 106.9960



67.4471, 78.3463, 54.7475



74.6057, 78.3463, 133.0129

Square

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



67.4471, 78.3463, 54.7475



62.8481, 78.3463, 107.8046



81.9553, 78.3463, 125.5309



87.4337, 78.3463, 66.1777

Rectangle

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



67.4471, 78.3463, 54.7475



61.2646, 78.3463, 78.7817



81.9553, 78.3463, 125.5309



89.4390, 78.3463, 92.1805

Sweetspot

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



67.4491, 78.3497, 54.7492



90.3420, 97.8897, 94.3688



62.7540, 60.9724, 51.6425



19.2532, 20.9148, 19.9445



0.0000, 0.0000, 0.0000



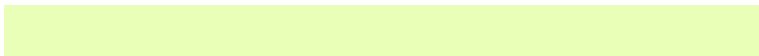
20.3446, 21.4041, 23.3091

Same Dimension

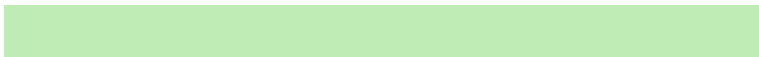
The Same Dimension uses a secret algorithm to generate beautiful new colors.



67.4491, 78.3497, 54.7492



78.0787, 92.3415, 58.8364



59.7724, 74.3923, 54.3899



15.8809, 17.3842, 16.0372



25.1494, 37.5094, 5.9145



2.0717, 2.9953, 0.4690

Inverse Universe

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



54.4907, 50.5711, 86.2505



60.3617, 54.3540, 101.9177



62.4534, 54.6760, 86.6231



14.6613, 14.7707, 19.0005



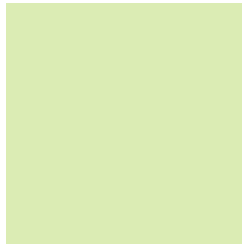
9.9198, 4.1498, 44.0211



0.8735, 0.3746, 3.4611

Previews

White Background



This preview shows how the XYZ color 67.4471, 78.3463, 54.7475 looks on a white background.

Color Contrast Check

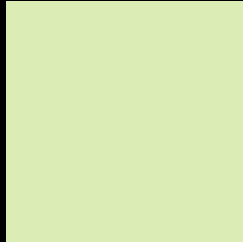
Large Text (above 18pt) WCAG AA × Fail

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 67.4471, 78.3463, 54.7475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

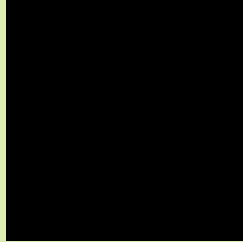
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

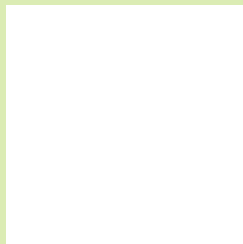
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.4471, 78.3463, 54.7475

Background



This preview shows how black text looks on a background with the XYZ color 67.4471, 78.3463, 54.7475.

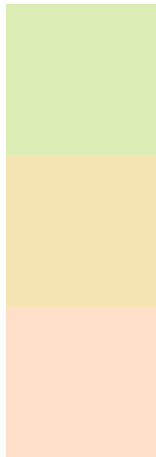


This preview shows how white text looks on a background with the XYZ color 67.4471, 78.3463,

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

67.4471, 78.3463, 54.7475

Protanopia

72.9874, 77.8942, 52.7832

Deuteranopia

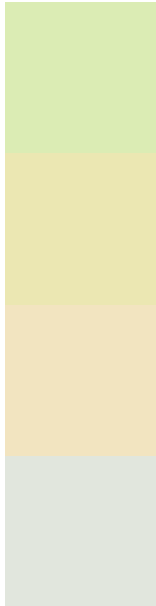
77.9365, 78.1589, 65.0113



Tritanopia

75.9454, 78.0247, 97.4437

Trichromacy



Original Color

67.4471, 78.3463, 54.7475

Protanomaly

70.8727, 78.0283, 53.4451

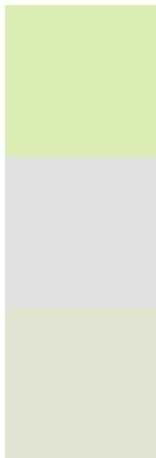
Deuteranomaly

73.8758, 78.1698, 61.0638

Tritanomaly

72.3993, 77.8216, 79.6118

Monochromacy



Original Color

67.4471, 78.3463, 54.7475

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.9594, 76.3300, 71.3675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4471, 78.3463, 54.7475 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(219, 236, 180)` looks like.

```
.text, #text, p{  
    color:rgb(219, 236, 180)  
}
```

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(219, 236, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 236, 180) }
```

Border

The CSS property to change the border of an element to XYZ 67.4471, 78.3463, 54.7475 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(219, 236, 180) }
```


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

```
.border{ border-color:rgb(219, 236, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 236, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 236, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 236, 180);  
box-shadow:4px 4px 4px 4px rgb(219, 236,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4471, 78.3463, 54.7475 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 236, 180) }
```

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

```
.background{ background-color: rgb(219,  
236, 180) }
```

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