

Converting Colors

XYZ(64.6644, 75.8007, 45.1108)

Have a look what the booklet for
XYZ(64.6644, 75.8007, 45.1108)
contains.

XYZ(64.7854, 75.9111, 44.9560)	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(64.7854, 75.9111,
44.9560)**

Conversions

Conversions Part 1

Format	Color
Hex	DBE9A1
RGB	219, 233, 161
RGB Percent	86%, 91%, 63%
CMY	0.1412, 0.0863, 0.3686
CMYK	0.06, 0.00, 0.31, 0.09
HSL	72°, 62%, 77%
HSV	72°, 31%, 91%
XYZ	64.7854, 75.9111, 44.9560
YIQ	220.6060, 14.7680, -25.3600

Conversions

Conversions Part 2

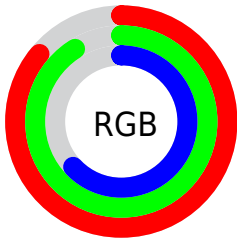
Format	Color
RYB	161, 233, 175
Decimal	14412193
CIELab	89.82, -16.08, 33.52
CIElCh	90, 37.176, 115.631
Yxy	75.9111, 0.3490, 0.4089
Android (android.graphics.Color)	4292602273 (0xFFDBE9A1)
YUV	220.6060, -29.3858, -1.4085
Hunter-Lab	87.1270, -19.7442, 30.3963

Details

The XYZ color **64.7854, 75.9111, 44.9560** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **45.1350, 40.4889, 82.5313**, and the grayscale version is **68.6448, 72.2197, 78.6473**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **33.5867, 40.3349, 20.4832** is the 20% darker color. If you saturate the color by 10%, you get **61.5749, 74.4741, 35.0613**, and if you desaturate by 10%, it is **68.4199, 77.5272, 56.8722**.

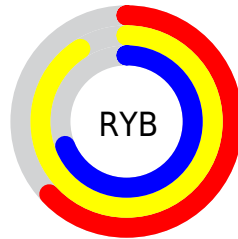
Distribution



Red (86%)

Green (91%)

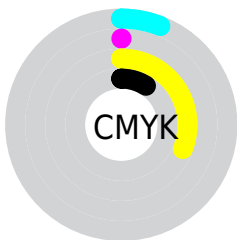
Blue (63%)



Red (63%)

Yellow (91%)

Blue (69%)

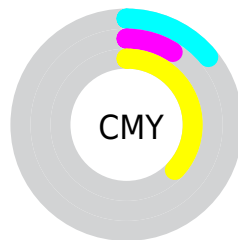


Cyan (6%)

Magenta (0%)

Yellow (31%)

Black (9%)



Cyan (14%)

Magenta (9%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7854, 75.9111, 44.9560 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 64.7854, 75.9111, 44.9560 by changing the saturation by 10% instead.

64.7854, 75.9111,
44.9560

64.7854, 75.9111,
44.9560

431.5778,
481.0433, 382.7503

47.5511, 56.3596,
31.0801

110.8087,
127.6012, 83.9721

33.6813, 40.4913,
20.4009

140.3285,
160.5087, 109.9494

22.8106, 27.9218,
12.4998

174.6741,
198.6369, 140.7976

14.5737, 18.2667,
6.9584

214.2109,
242.3703, 176.9351

8.6051, 11.1417,
3.3580

259.3044,
292.0932, 218.7806

4.5395, 6.1622,
1.2802

310.3198,

2.0117, 2.9440,

348.1901, 266.7526

0.0455

367.6225,
411.0453, 321.2697

■ 0.6405, 1.1025,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.7854, 75.9111,
44.9560

■ 64.7854, 75.9111,
44.9560

■ 61.5749, 74.4741,
35.0613

■ 68.4199, 77.5272,
56.8722

■ 58.7609, 73.1974,
27.0711

■ 72.4924, 79.3202,
70.9086

■ 56.3217, 72.0748,
20.8637

■ 77.0236, 81.3010,
87.1634

■ 54.2308, 71.0957,
16.3015

■ 82.0309, 83.4767,
105.7270

■ 52.4581, 70.2481,
13.2268

■ 83.6923, 84.3184,
106.4718

■ 50.9673, 69.5173,
11.4511

■ 85.2644, 85.1288,
106.5453

■ 49.8019, 68.9324,
10.6804

■ 86.8753, 85.9593,
106.6207

■ 88.4305, 86.7610,
106.6935

Harmonies

Analogous

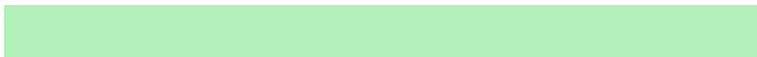
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



73.5035, 75.9111, 41.8169



64.7854, 75.9111, 44.9560



58.5465, 75.9111, 57.2861

Triad

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



64.7854, 75.9111, 44.9560



62.6429, 75.9111, 131.7683



91.2109, 75.9111, 86.5633

Complementary

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



64.7854, 75.9111, 44.9560



45.1350, 40.4889, 82.5313

Split Complementary

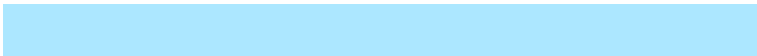
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.7155, 75.9111, 114.5846



64.7854, 75.9111, 44.9560



70.8156, 75.9111, 143.9637

Square

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



64.7854, 75.9111, 44.9560



57.3850, 75.9111, 106.4942



80.0552, 75.9111, 137.0910



89.2553, 75.9111, 62.6675

Rectangle

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



64.7854, 75.9111, 44.9560



56.3745, 75.9111, 70.7387



80.0552, 75.9111, 137.0910



90.6268, 75.9111, 95.8380

Sweetspot

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



64.7873, 75.9145, 44.9576



89.9493, 97.7722, 90.5123



55.2147, 50.2485, 40.5081



19.0858, 20.8540, 18.7827



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.



64.7873, 75.9145, 44.9576



76.9699, 92.0249, 47.2625



55.2938, 71.0204, 44.5133



16.0482, 17.4704, 16.0450



28.3587, 39.1639, 6.0647



2.3002, 3.1131, 0.4797

Inverse Universe

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



45.1350, 40.4889, 82.5313



49.3246, 42.1715, 100.1480



54.0907, 45.1058, 82.9504



14.5047, 14.6899, 18.9932



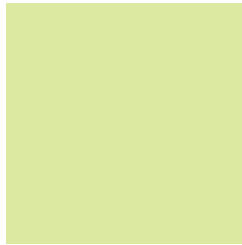
9.0461, 3.6994, 43.9802



0.7857, 0.3294, 3.4570

Previews

White Background



This preview shows how the XYZ color 64.7854, 75.9111, 44.9560 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 64.7854, 75.9111, 44.9560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

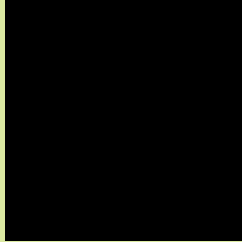
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.7854, 75.9111, 44.9560

Background



This preview shows how black text looks on a background with the XYZ color 64.7854, 75.9111, 44.9560.

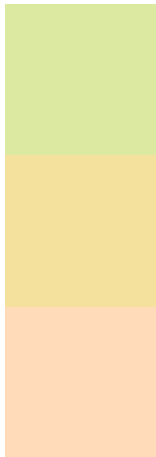


This preview shows how white text looks on a background with the XYZ color 64.7854, 75.9111,

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

64.7854, 75.9111, 44.9560

Protanopia

70.4050, 75.5521, 43.2200

Deuteranopia

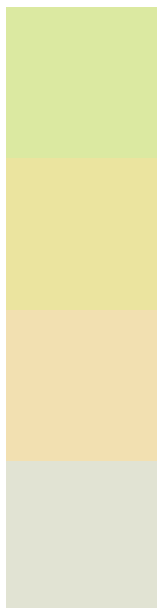
75.4344, 75.4682, 57.0454



Tritanopia

74.4290, 75.7246, 93.1316

Trichromacy



Original Color

64.7854, 75.9111, 44.9560

Protanomaly

68.2624, 75.6522, 43.8054

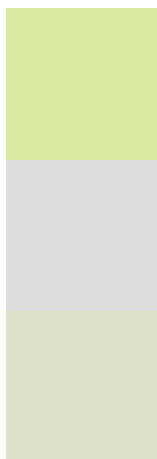
Deuteranomaly

71.2094, 75.3629, 52.3883

Tritanomaly

70.2783, 75.6489, 72.5256

Monochromacy



Original Color

64.7854, 75.9111, 44.9560

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.7492, 73.1896, 64.6418

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7854, 75.9111, 44.9560 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, 233, 161)` looks like.

```
.text, #text, p{  
    color:rgb(219, 233, 161)  
}
```

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, 233, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 233, 161) }
```

Border

The CSS property to change the border of an element to XYZ 64.7854, 75.9111, 44.9560 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, 233, 161) }
```


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

```
.border{ border-color:rgb(219, 233, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 233, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 233, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 233, 161); box-shadow:4px 4px 4px 4px rgb(219, 233, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7854, 75.9111, 44.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 233, 161) }
```

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

```
.background{ background-color: rgb(219,  
233, 161) }
```

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