

Converting Colors

XYZ(64.4537, 76.7118, 42.0610)

Have a look what the booklet for
XYZ(64.4537, 76.7118, 42.0610)
contains.

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Color

**XYZ(64.4545, 76.6552,
41.9707)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | DAEB9A |
| RGB | 218, 235, 154 |
| RGB Percent | 85%, 92%, 60% |
| CMY | 0.1451, 0.0784, 0.3961 |
| CMYK | 0.07, 0.00, 0.34, 0.08 |
| HSL | 73°, 67%, 76% |
| HSV | 73°, 34%, 92% |
| XYZ | 64.4545, 76.6552, 41.9707 |
| YIQ | 220.6830, 15.8690, -28.7950 |

Conversions

Conversions Part 2

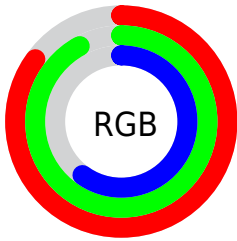
| Format | Color |
|-------------------------------------|---|
| RYB | 154, 235, 171 |
| Decimal | 14347162 |
| CIELab | 90.16, -18.32, 37.48 |
| CIELCh | 90, 41.721, 116.043 |
| Yxy | 76.6552, 0.3521, 0.4187 |
| Android (android.graphics.Color) | 4292537242 (0xFFDAEB9A) |
| YUV | 220.6830, -32.8747, -2.3530 |
| Hunter-Lab | 87.5530, -21.8100, 32.8649 |

Details

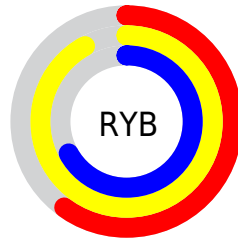
The XYZ color **64.4545, 76.6552, 41.9707** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3486, 37.7694, 83.6072**, and the grayscale version is **68.7220, 72.3009, 78.7357**.

A 20% lighter version of the original color is **88.5086, 97.3834, 74.4536**, and **33.4187, 40.8809, 18.6998** is the 20% darker color. If you saturate the color by 10%, you get **61.2329, 75.2013, 32.5842**, and if you desaturate by 10%, it is **68.1071, 78.2919, 53.3806**.

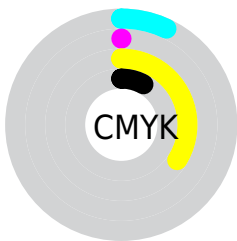
Distribution



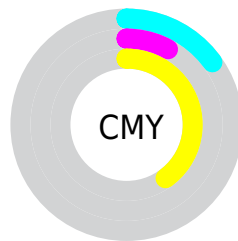
- Red (85%)
- Green (92%)
- Blue (60%)



- Red (60%)
- Yellow (92%)
- Blue (67%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)



- Cyan (15%)
- Magenta (8%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.4545, 76.6552, 41.9707 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 64.4545, 76.6552, 41.9707 by changing the saturation by 10% instead.

64.4545, 76.6552,
41.9707

64.4545, 76.6552,
41.9707

430.4053,
483.5876, 370.1575

47.2819, 56.9699,
28.7529

110.3353,
128.6526, 79.4249

33.4675, 40.9811,
18.6500

139.7743,
161.7336, 104.4984

22.6458, 28.3043,
11.2434

174.0328,
200.0486, 134.3609

14.4514, 18.5552,
6.1146

213.4761,
243.9820, 169.4310

8.5191, 11.3493,
2.8450

258.4697,
293.9182, 210.1272

4.4834, 6.3023,
1.0160

309.3789,

1.9791, 3.0298,

350.2416, 256.8679

0.0000

366.5690,
413.3366, 310.0719

0.6222, 1.1473,
0.0000

0.0000, 0.0180,
0.0000

64.4545, 76.6552,
41.9707

64.4545, 76.6552,
41.9707

61.2329, 75.2013,
32.5842

68.1071, 78.2919,
53.3806

58.4137, 73.9107,
25.0978

72.2059, 80.1095,
66.9176

55.9736, 72.7768,
19.3826

76.7724, 82.1194,
82.6844

53.8844, 71.7881,
15.2915

81.8249, 84.3289,
100.7753

■ 52.1131, 70.9316,
12.6539

■ 84.6078, 85.6357,
106.6778

■ 50.6199, 70.1910,
11.2610

■ 86.3305, 86.5238,
106.7584

■ 49.8794, 69.8177,
10.8472

■ 88.0992, 87.4356,
106.8412

■ 89.0000, 87.9000,
106.8833

Harmonies

Analogous

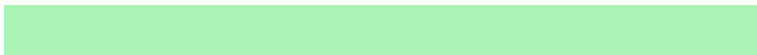
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2423, 76.6552, 38.4929



64.4545, 76.6552, 41.9707



57.5473, 76.6552, 55.4718

Triad

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



64.4545, 76.6552, 41.9707



62.2844, 76.6552, 140.3187



94.6024, 76.6552, 87.4650

Complementary

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



64.4545, 76.6552, 41.9707



43.3486, 37.7694, 83.6072

Split Complementary

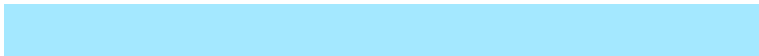
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6698, 76.6552, 119.5747



64.4545, 76.6552, 41.9707



71.4920, 76.6552, 154.3301

Square

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



64.4545, 76.6552, 41.9707



56.3802, 76.6552, 111.1138



81.9629, 76.6552, 145.9609



92.2701, 76.6552, 60.8305

Rectangle

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



64.4545, 76.6552, 41.9707



55.1792, 76.6552, 70.4419



81.9629, 76.6552, 145.9609



93.9602, 76.6552, 98.0006

Sweetspot

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



64.4564, 76.6586, 41.9723



89.2706, 97.4639, 88.6026



54.5087, 48.8220, 37.1236



18.9438, 20.7891, 18.4019



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.



64.4564, 76.6586, 41.9723



74.9223, 91.0688, 42.6737



53.9728, 71.2541, 41.4817



16.0244, 17.4581, 16.0439



27.8688, 38.9114, 6.0418



2.2658, 3.0954, 0.4781

Inverse Universe

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



43.3486, 37.7694, 83.6072



46.1293, 37.9925, 99.5097



53.3317, 42.9159, 84.0744



14.5267, 14.7013, 18.9942



9.1453, 3.7505, 43.9849



0.7966, 0.3349, 3.4575

Previews

White Background



This preview shows how the XYZ color 64.4545, 76.6552, 41.9707 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 64.4545, 76.6552, 41.9707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

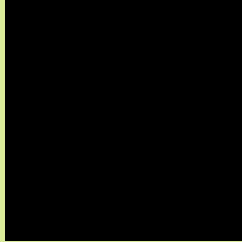
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 64.4545, 76.6552, 41.9707

Background



This preview shows how black text looks on a background with the XYZ color 64.4545, 76.6552, 41.9707.

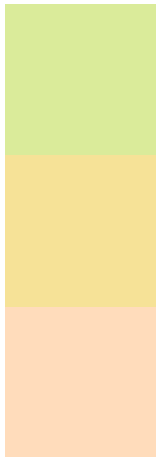


This preview shows how white text looks on a background with the XYZ color 64.4545, 76.6552,

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

64.4545, 76.6552, 41.9707

Protanopia

70.7883, 76.2199, 40.2591

Deuteranopia

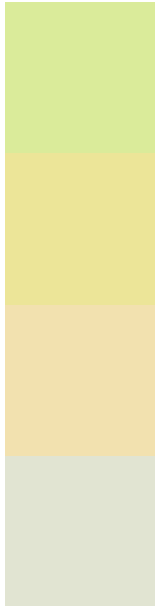
75.8028, 76.0343, 57.6945



Tritanopia

74.9958, 76.3801, 94.7945

Trichromacy



Original Color

64.4545, 76.6552, 41.9707

Protanomaly

68.2789, 76.1385, 40.8033

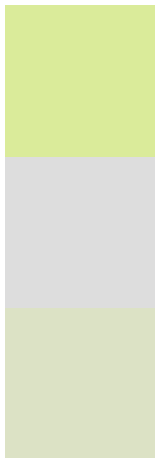
Deuteranomaly

71.2810, 75.8228, 51.4358

Tritanomaly

70.4276, 76.1475, 71.9588

Monochromacy



Original Color

64.4545, 76.6552, 41.9707

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

66.7896, 73.6396, 63.5170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.4545, 76.6552, 41.9707 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(218, 235, 154)` looks like.

```
.text, #text, p{  
    color:rgb(218, 235, 154)  
}
```

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(218, 235, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 235, 154) }
```

Border

The CSS property to change the border of an element to XYZ 64.4545, 76.6552, 41.9707 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(218, 235, 154) }
```


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

```
.border{ border-color:rgb(218, 235, 154) }
```

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

Here you see how a box with a 4 pixel rgb(218, 235, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 235, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 235, 154);  
box-shadow:4px 4px 4px 4px rgb(218, 235,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 64.4545, 76.6552, 41.9707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 235, 154) }
```

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

```
.background{ background-color: rgb(218,  
235, 154) }
```

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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