

# Converting Colors

XYZ(64.2809, 74.7739, 46.6421)

Have a look what the booklet for  
XYZ(64.2809, 74.7739, 46.6421)  
contains.

<b>XYZ(64.2809, 74.7739, 46.6421)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(64.2809, 74.7739,  
46.6421)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DAE7A5
RGB	218, 231, 165
RGB Percent	85%, 91%, 65%
CMY	0.1451, 0.0941, 0.3529
CMYK	0.06, 0.00, 0.29, 0.09
HSL	72°, 58%, 78%
HSV	72°, 29%, 91%
XYZ	64.2809, 74.7739, 46.6421
YIQ	219.5890, 13.4380, -23.2820

# Conversions

## Conversions Part 2

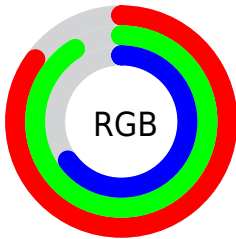
Format	Color
<a href="#">RYB</a>	<a href="#">165, 231, 178</a>
Decimal	<a href="#">14346149</a>
CIELab	<a href="#">89.29, -14.94, 30.76</a>
CIELCh	<a href="#">89, 34.198, 115.900</a>
Yxy	<a href="#">74.7739, 0.3462, 0.4027</a>
Android (android.graphics.Color)	<a href="#">4292536229 (0xFFDAE7A5)</a>
YUV	<a href="#">219.5890, -26.9124, -1.3936</a>
Hunter-Lab	<a href="#">86.4719, -18.6337, 28.5499</a>

# Details

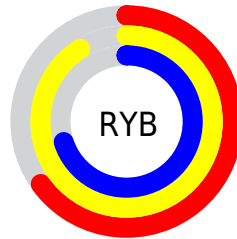
The XYZ color **64.2809, 74.7739, 46.6421** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **46.2419, 42.1467, 81.3035**, and the grayscale version is **67.9177, 71.4547, 77.8142**.

A 20% lighter version of the original color is **89.9183, 97.9473, 81.8767**, and **33.2109, 39.5336, 21.5031** is the 20% darker color. If you saturate the color by 10%, you get **61.0235, 73.3184, 36.4880**, and if you desaturate by 10%, it is **67.9593, 76.4072, 58.8012**.

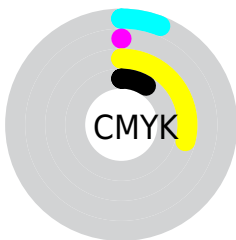
# Distribution



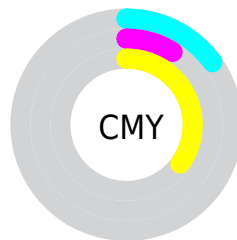
- Red (85%)
- Green (91%)
- Blue (65%)



- Red (65%)
- Yellow (91%)
- Blue (70%)



- Cyan (6%)
- Magenta (0%)
- Yellow (29%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2809, 74.7739, 46.6421 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 64.2809, 74.7739, 46.6421 by changing the saturation by 10% instead.



64.2809, 74.7739,  
46.6421

64.2809, 74.7739,  
46.6421

429.7895,  
477.1401, 389.7364

47.1408, 55.4277,  
32.4005

110.0869,  
125.9923, 86.5235

33.3554, 39.7442,  
21.4002

139.4834,  
158.6332, 113.0004

22.5593, 27.3392,  
13.2228

173.6961,  
196.4745, 144.3928

14.3874, 17.8281,  
7.4496

213.0903,  
239.9005, 181.1193

8.4741, 10.8267,  
3.6622

258.0314,  
289.2957, 223.5983

4.4541, 5.9504,  
1.4419

308.8847,

1.9621, 2.8149,

345.0444, 272.2485

0.1741

366.0156,  
407.5311, 327.4884

■ 0.6125, 1.0359,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 64.2809, 74.7739,  
46.6421

■ 64.2809, 74.7739,  
46.6421

■ 61.0235, 73.3184,  
36.4880

■ 67.9593, 76.4072,  
58.8012

■ 58.1607, 72.0225,  
28.2265

■ 72.0722, 78.2162,  
73.0603

■ 55.6717, 70.8803,  
21.7412

■ 76.6395, 80.2113,  
89.5139

■ 53.5312, 69.8817,  
16.9011

■ 81.2885, 82.2434,  
106.1979

■ 51.7107, 69.0154,  
13.5571

■ 82.8209, 83.0334,  
106.2697

■ 50.1765, 68.2676,  
11.5332

■ 84.3922, 83.8435,  
106.3432

■ 48.8789, 67.6187,  
10.5702

■ 86.0026, 84.6736,  
106.4186

■ 48.7032, 67.5302,  
10.4677

■ 87.6523, 85.5241,  
106.4958

■ 87.8675, 85.6350,  
106.5058

# Harmonies

## Analogous

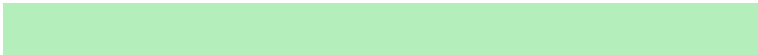
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.2254, 74.7739, 43.6039



64.2809, 74.7739, 46.6421



58.5790, 74.7739, 58.2474

# Triad

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



64.2809, 74.7739, 46.6421



62.4378, 74.7739, 125.7713



88.3307, 74.7739, 84.7508

# Complementary

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



64.2809, 74.7739, 46.6421



46.2419, 42.1467, 81.3035

# Split Complementary

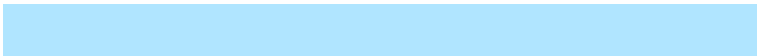
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2220, 74.7739, 110.0342



64.2809, 74.7739, 46.6421



69.9277, 74.7739, 136.4768

# Square

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



64.2809, 74.7739, 46.6421



57.5749, 74.7739, 103.2141



78.3218, 74.7739, 130.2195



86.5253, 74.7739, 62.9258



# Rectangle

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



64.2809, 74.7739, 46.6421



56.5988, 74.7739, 70.7127



78.3218, 74.7739, 130.2195



87.8197, 74.7739, 93.1484

# Sweetspot

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



64.2828, 74.7772, 46.6437



89.9284, 97.7614, 90.5113



55.4910, 51.1915, 42.5546



19.0806, 20.8514, 18.7824



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

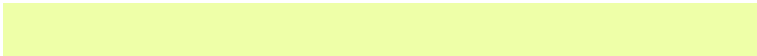


# Same Dimension

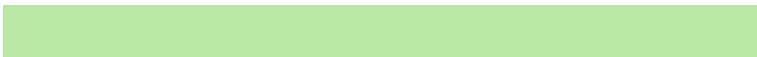
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.2828, 74.7772, 46.6437



78.0878, 92.5211, 50.9352



55.5954, 70.2987, 46.2371



15.3088, 16.6662, 15.3145



27.4047, 37.9091, 5.8728



2.0963, 2.8381, 0.4373



# Inverse Universe

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



46.2419, 42.1467, 81.3035



52.2083, 45.6982, 100.6767



54.4883, 46.3979, 81.6894



13.8467, 14.0232, 18.1213



8.7852, 3.5948, 42.6140

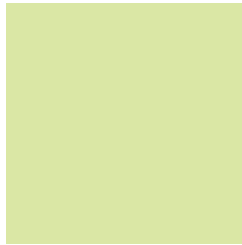


0.7233, 0.3039, 3.1525



# Previews

## White Background



This preview shows how the XYZ color 64.2809, 74.7739, 46.6421 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

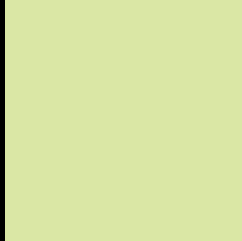
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 64.2809, 74.7739, 46.6421 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

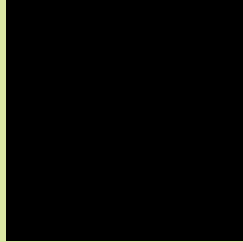
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 64.2809, 74.7739, 46.6421**

## **Background**



This preview shows how black text looks on a background with the XYZ color 64.2809, 74.7739, 46.6421.



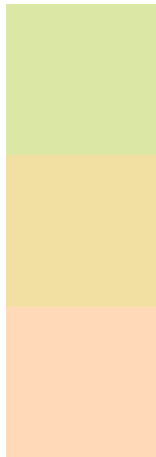
This preview shows how white text looks on a background with the XYZ color 64.2809, 74.7739,



# 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

64.2809, 74.7739, 46.6421

### Protanopia

69.4529, 74.6207, 44.9251

### Deuteranopia

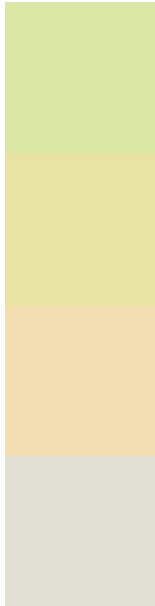
74.7046, 74.3464, 55.7603



## Tritanopia

73.4313, 74.4389, 92.1592

# Trichromacy



## Original Color

64.2809, 74.7739, 46.6421

## Protanomaly

67.6842, 74.9062, 45.5413

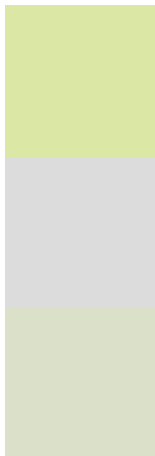
## Deuteranomaly

70.6750, 74.2941, 52.2102

## Tritanomaly

69.5493, 74.4512, 72.9922

# Monochromacy



## Original Color

64.2809, 74.7739, 46.6421

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

66.2944, 72.5415, 65.1514

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 64.2809, 74.7739, 46.6421 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, 231, 165)` looks like.

```
.text, #text, p{  
    color:rgb(218, 231, 165)  
}
```

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, 231, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 231, 165) }
```

## Border

The CSS property to change the border of an element to XYZ 64.2809, 74.7739, 46.6421 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, 231, 165) }
```



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

```
.border{ border-color:rgb(218, 231, 165) }
```

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

Here you see how a box with a 4 pixel rgb(218, 231, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 231, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 231, 165);  
box-shadow:4px 4px 4px 4px rgb(218, 231,  
165) }
```

# Background

The CSS property to change the background color of an element to XYZ 64.2809, 74.7739, 46.6421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 231, 165) }
```

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

```
.background{ background-color: rgb(218,  
231, 165) }
```

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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