

Converting Colors

XYZ(69.6161, 79.4655, 49.5787)

Have a look what the booklet for
XYZ(69.6161, 79.4655, 49.5787)
contains.

XYZ(69.5643, 79.5512, 49.7187)	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(69.5643, 79.5512,
49.7187)**

Conversions

Conversions Part 1

Format	Color
Hex	E5ECAA
RGB	229, 236, 170
RGB Percent	90%, 93%, 67%
CMY	0.1020, 0.0745, 0.3333
CMYK	0.03, 0.00, 0.28, 0.07
HSL	66°, 63%, 80%
HSV	66°, 28%, 93%
XYZ	69.5643, 79.5512, 49.7187
YIQ	226.3830, 17.0140, -22.0100

Conversions

Conversions Part 2

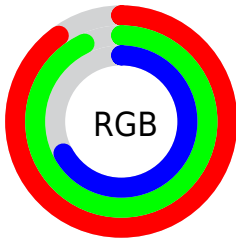
Format	Color
RYB	170, 236, 177
Decimal	15068330
CIELab	91.48, -12.69, 31.31
CIELCh	91, 33.781, 112.073
Yxy	79.5512, 0.3499, 0.4001
Android (android.graphics.Color)	4293258410 (0xFFE5ECAA)
YUV	226.3830, -27.7968, 2.2951
Hunter-Lab	89.1915, -16.8652, 29.3835

Details

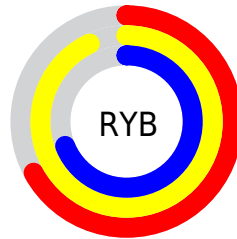
The XYZ color **69.5643, 79.5512, 49.7187** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.6495, 44.1548, 85.3727**, and the grayscale version is **72.7541, 76.5430, 83.3553**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **36.7657, 42.8111, 23.1552** is the 20% darker color. If you saturate the color by 10%, you get **66.7365, 78.3311, 38.9603**, and if you desaturate by 10%, it is **72.8086, 80.9446, 62.5918**.

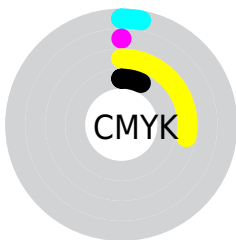
Distribution



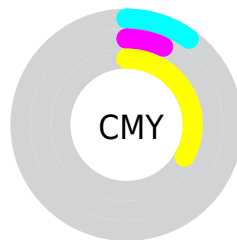
- Red (90%)
- Green (93%)
- Blue (67%)



- Red (67%)
- Yellow (93%)
- Blue (69%)



- Cyan (3%)
- Magenta (0%)
- Yellow (28%)
- Black (7%)



- Cyan (10%)
- Magenta (7%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5643, 79.5512, 49.7187 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 69.5643, 79.5512, 49.7187 by changing the saturation by 10% instead.

69.5643, 79.5512,
49.7187

69.5643, 79.5512,
49.7187

448.3090,
493.4191, 402.2684

51.4497, 59.3491,
34.8203

117.6169,
132.7346, 91.1500

36.7891, 42.8942,
23.2421

148.2856,
166.4846, 118.5199

25.2172, 29.8021,
14.5654

183.8697,
205.5194, 150.8842

16.3685, 19.6884,
8.3717

224.7346,
250.2234, 188.6612

9.8778, 12.1688,
4.2425

271.2456,
300.9810, 232.2696

5.3797, 6.8587,
1.7593

323.7681,

2.5087, 3.3739,

358.1765, 282.1279

0.4009

382.6675,
422.1944, 338.6547

■ 0.8997, 1.3299,
0.0000

■ 0.0000, 0.1642,
0.0000

■ 69.5643, 79.5512,
49.7187

■ 69.5643, 79.5512,
49.7187

■ 66.7365, 78.3311,
38.9603

■ 72.8086, 80.9446,
62.5918

■ 64.2975, 77.2652,
30.1985


■ 76.4831, 82.5088,
77.6791

■ 62.2259, 76.3475,
23.3116


■ 80.6084, 84.2546,
95.0799

■ 60.4955, 75.5677,
18.1623


■ 83.6505, 85.5685,
106.7153


 59.0768, 74.9138,
14.5949


 84.5022, 86.0075,
106.7551


 57.9348, 74.3719,
12.4255


 85.3657, 86.4527,
106.7955

 57.0213, 73.9227,
11.4010

 86.2409, 86.9039,
106.8365

 56.8489, 73.8369,
11.2557

 87.1281, 87.3612,
106.8780

 88.0271, 87.8247,
106.9201

Harmonies

Analogous

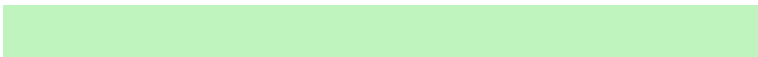
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.9151, 79.5512, 47.6624



69.5643, 79.5512, 49.7187



63.3005, 79.5512, 60.6426

Triad

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



69.5643, 79.5512, 49.7187



65.8935, 79.5512, 129.6122



93.2044, 79.5512, 93.3160

Complementary

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



69.5643, 79.5512, 49.7187



47.6495, 44.1548, 85.3727

Split Complementary

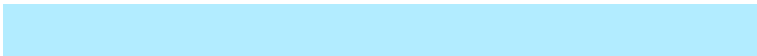
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4223, 79.5512, 119.1174



69.5643, 79.5512, 49.7187



73.3529, 79.5512, 142.5144

Square

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



69.5643, 79.5512, 49.7187



61.2959, 79.5512, 105.6657



81.9984, 79.5512, 138.3478



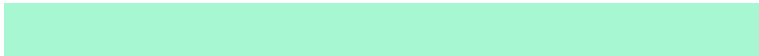
91.9976, 79.5512, 70.0086

Rectangle

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



69.5643, 79.5512, 49.7187



60.9407, 79.5512, 72.8402



81.9984, 79.5512, 138.3478



92.4649, 79.5512, 102.0315

Sweetspot

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



69.5663, 79.5547, 49.7204



91.1456, 98.3467, 92.4735



57.4937, 52.0237, 45.0427



19.3601, 20.9871, 19.1749



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.



69.5663, 79.5547, 49.7204



80.7911, 93.9147, 51.0617



60.1232, 74.6866, 49.2785



16.1853, 17.5411, 16.0514



31.4007, 40.7321, 6.2071



2.5110, 3.2218, 0.4895

Inverse Universe

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



47.6495, 44.1548, 85.3727



50.3541, 44.7423, 100.5899



55.9822, 48.4504, 85.7626



14.3796, 14.6254, 18.9874



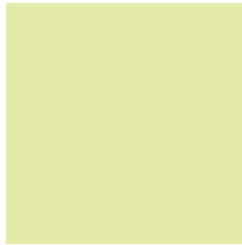
8.6184, 3.4789, 43.9602



0.7265, 0.2988, 3.4543

Previews

White Background



This preview shows how the XYZ color 69.5643, 79.5512, 49.7187 looks on a white background.

Color Contrast Check

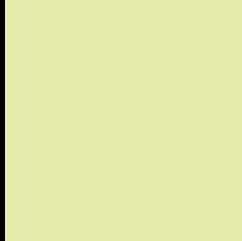
Large Text (above 18pt) WCAG AA × Fail

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 69.5643, 79.5512, 49.7187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

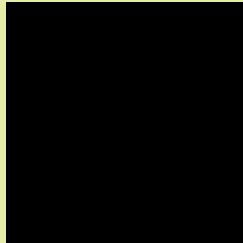
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

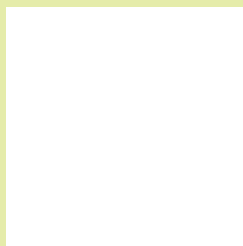
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5643, 79.5512, 49.7187

Background



This preview shows how black text looks on a background with the XYZ color 69.5643, 79.5512, 49.7187.

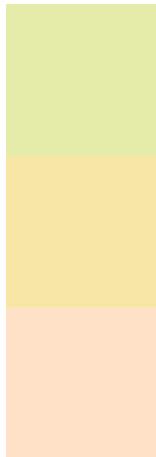


This preview shows how white text looks on a background with the XYZ color 69.5643, 79.5512,

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

69.5643, 79.5512, 49.7187

Protanopia

73.9833, 79.3401, 47.9741

Deuteranopia

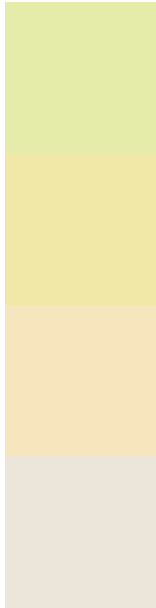
78.5905, 79.2806, 65.8041



Tritanopia

79.1221, 79.2751, 96.7194

Trichromacy



Original Color

69.5643, 79.5512, 49.7187

Protanomaly

72.2001, 79.2412, 48.5355

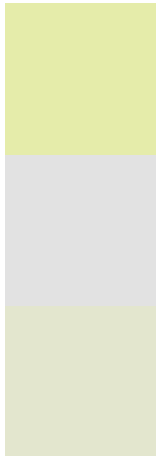
Deuteranomaly

75.2107, 79.3056, 59.4876

Tritanomaly

75.0821, 79.2656, 76.9882

Monochromacy



Original Color

69.5643, 79.5512, 49.7187

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.1159, 77.3808, 69.5803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5643, 79.5512, 49.7187 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(229, 236, 170)` looks like.

```
.text, #text, p{  
    color:rgb(229, 236, 170)  
}
```

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(229, 236, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 236, 170) }
```

Border

The CSS property to change the border of an element to XYZ 69.5643, 79.5512, 49.7187 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(229, 236, 170) }
```


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

```
.border{ border-color:rgb(229, 236, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 236, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 236, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 236, 170);  
box-shadow:4px 4px 4px 4px rgb(229, 236,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5643, 79.5512, 49.7187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 236, 170) }
```

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

```
.background{ background-color: rgb(229,  
236, 170) }
```

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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