

Converting Colors

XYZ(69.1920, 78.4477, 41.5438)

Have a look what the booklet for
XYZ(69.1920, 78.4477, 41.5438)
contains.

XYZ(69.1496, 78.2399, 41.5942)	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(69.1496, 78.2399,
41.5942)**

Conversions

Conversions Part 1

Format	Color
Hex	EBE999
RGB	235, 233, 153
RGB Percent	92%, 91%, 60%
CMY	0.0784, 0.0863, 0.4000
CMYK	0.00, 0.01, 0.35, 0.08
HSL	59°, 67%, 76%
HSV	59°, 35%, 92%
XYZ	69.1496, 78.2399, 41.5942
YIQ	224.4780, 26.8720, -24.4560

Conversions

Conversions Part 2

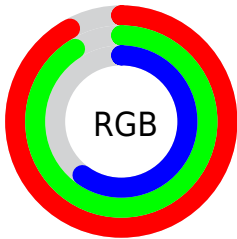
Format	Color
RYB	155, 235, 153
Decimal	15460761
CIELab	90.89, -11.03, 39.17
CIELCh	91, 40.698, 105.728
Yxy	78.2399, 0.3659, 0.4140
Android (android.graphics.Color)	4293650841 (0xFFEBE999)
YUV	224.4780, -35.2387, 9.2278
Hunter-Lab	88.4533, -15.2485, 34.0369

Details

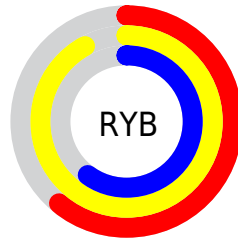
The XYZ color **69.1496, 78.2399, 41.5942** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.8534, 36.2121, 83.4864**, and the grayscale version is **71.4263, 75.1460, 81.8340**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **36.4312, 41.8488, 18.4694** is the 20% darker color. If you saturate the color by 10%, you get **67.2360, 77.2188, 32.3054**, and if you desaturate by 10%, it is **71.4499, 79.4221, 52.8996**.

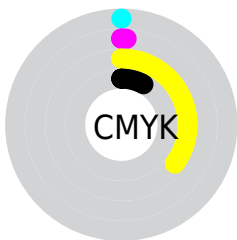
Distribution



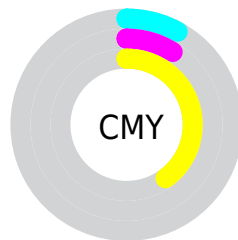
- Red (92%)
- Green (91%)
- Blue (60%)



- Red (61%)
- Yellow (92%)
- Blue (60%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.1496, 78.2399, 41.5942 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 69.1496, 78.2399, 41.5942 by changing the saturation by 10% instead.

69.1496, 78.2399,
41.5942

69.1496, 78.2399,
41.5942

446.8716,
488.9812, 368.5479

51.1106, 58.2711,
28.4605

117.0281,
130.8883, 78.8485

36.5181, 42.0266,
18.4310

147.5984,
164.3366, 103.8062

25.0065, 29.1221,
11.0872

183.0765,
203.0468, 133.5423

16.2107, 19.1732,
6.0106

223.8277,
247.4034, 168.4754

9.7652, 11.7955,
2.7827

270.2175,
297.7908, 209.0239

5.3046, 6.6046,
0.9848

322.6112,

2.4636, 3.2161,

354.5932, 255.6065

0.0000

381.3741,
418.1952, 308.6416

■ 0.8770, 1.2456,
0.0000

■ 0.0000, 0.0984,
0.0000

■ 69.1496, 78.2399,
41.5942

■ 69.1496, 78.2399,
41.5942

■ 67.2360, 77.2188,
32.3054

■ 71.4499, 79.4221,
52.8996

■ 65.6807, 76.3391,
24.9095


■ 74.1518, 80.7629,
66.3256


■ 64.4608, 75.5944,
19.2770


■ 77.2764, 82.2737,
81.9752

■ 63.5482, 74.9734,
15.2600


■ 80.8417, 83.9616,
99.9430


 62.9101, 74.4631,
12.6866


 82.2670, 84.7943,
106.6387

 62.5067, 74.0475,
11.3461

 82.4317, 85.1237,
106.6936

 62.3594, 73.8591,
10.9695

 82.5969, 85.4540,
106.7487

 82.7626, 85.7855,
106.8039

 82.9288, 86.1180,
106.8594

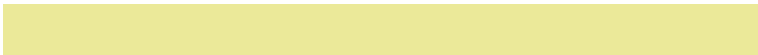
Harmonies

Analogous

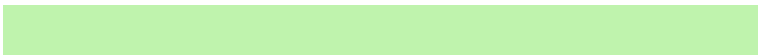
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.3293, 78.2399, 41.3644



69.1496, 78.2399, 41.5942



61.1277, 78.2399, 51.5537

Triad

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



69.1496, 78.2399, 41.5942



61.4390, 78.2399, 132.3288



95.1447, 78.2399, 99.8744

Complementary

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



69.1496, 78.2399, 41.5942



39.8534, 36.2121, 83.4864

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.



89.3867, 78.2399, 130.9728



69.1496, 78.2399, 41.5942



69.6116, 78.2399, 152.4275

Square

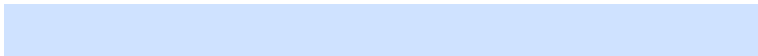
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.1496, 78.2399, 41.5942



56.9630, 78.2399, 101.4231



79.8356, 78.2399, 151.8809



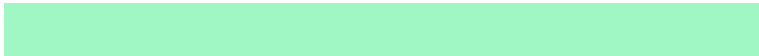
94.9920, 78.2399, 70.7885

Rectangle

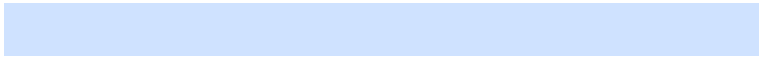
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.1496, 78.2399, 41.5942



57.8078, 78.2399, 64.0324



79.8356, 78.2399, 151.8809



93.8148, 78.2399, 110.5595

Sweetspot

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



69.1516, 78.2434, 41.5958



91.0153, 98.0701, 88.6277



51.6309, 42.8368, 36.8823



19.3687, 20.9366, 18.4080



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

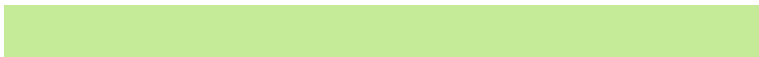
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.1516, 78.2434, 41.5958



81.5122, 93.2646, 41.6812



58.4148, 73.5511, 41.2560



16.3187, 17.5604, 16.0481



34.7204, 41.1351, 6.1099



2.7364, 3.2500, 0.4831

Inverse Universe

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



39.8534, 36.2121, 83.4864



41.2316, 35.4805, 99.2830



47.9403, 39.8925, 83.7705



14.2606, 14.6076, 18.9902



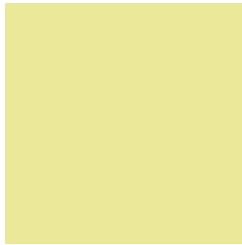
8.3934, 3.4338, 43.9634



0.6695, 0.2904, 3.4556

Previews

White Background



This preview shows how the XYZ color 69.1496, 78.2399, 41.5942 looks on a white background.

Color Contrast Check

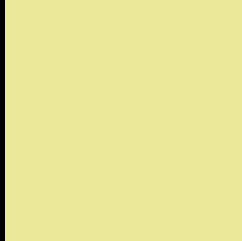
Large Text (above 18pt) WCAG AA × Fail

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 69.1496, 78.2399, 41.5942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

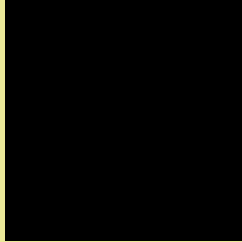
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.1496, 78.2399, 41.5942

Background



This preview shows how black text looks on a background with the XYZ color 69.1496, 78.2399, 41.5942.

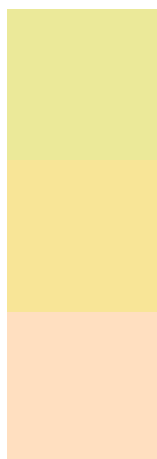


This preview shows how white text looks on a background with the XYZ color 69.1496, 78.2399,

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

69.1496, 78.2399, 41.5942

Protanopia

72.3166, 78.2294, 40.5665

Deuteranopia

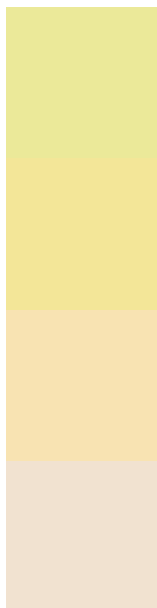
77.1421, 77.8411, 60.8282



Tritanopia

79.5056, 77.9463, 93.2928

Trichromacy



Original Color

69.1496, 78.2399, 41.5942

Protanomaly

70.9265, 77.9153, 41.0067

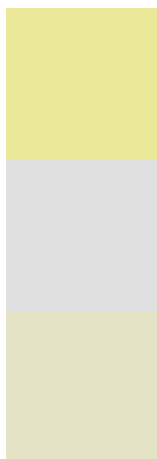
Deuteranomaly

74.2164, 78.1090, 53.2844

Tritanomaly

74.8572, 77.6476, 70.7166

Monochromacy



Original Color

69.1496, 78.2399, 41.5942

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.6570, 75.5094, 64.3295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.1496, 78.2399, 41.5942 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(235, 233, 153)` looks like.

```
.text, #text, p{  
    color:rgb(235, 233, 153)  
}
```

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(235, 233, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 233, 153) }
```

Border

The CSS property to change the border of an element to XYZ 69.1496, 78.2399, 41.5942 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(235, 233, 153) }
```


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

```
.border{ border-color:rgb(235, 233, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 233, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 233, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 233, 153);  
box-shadow:4px 4px 4px 4px rgb(235, 233,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 69.1496, 78.2399, 41.5942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 233, 153) }
```

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

```
.background{ background-color: rgb(235,  
233, 153) }
```

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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