

Converting Colors

XYZ(69.3386, 78.1104, 46.6121)

Have a look what the booklet for
XYZ(69.3386, 78.1104, 46.6121)
contains.

XYZ(69.4440, 78.2818, 46.5718)	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(69.4440, 78.2818,
46.5718)**

Conversions

Conversions Part 1

Format	Color
Hex	E9E9A4
RGB	233, 233, 164
RGB Percent	91%, 91%, 64%
CMY	0.0863, 0.0863, 0.3569
CMYK	0.00, 0.00, 0.30, 0.09
HSL	60°, 61%, 78%
HSV	60°, 30%, 91%
XYZ	69.4440, 78.2818, 46.5718
YIQ	225.1340, 22.1490, -21.4590

Conversions

Conversions Part 2

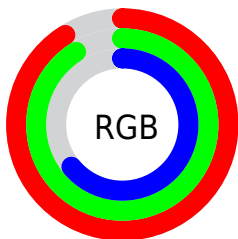
Format	Color
RYB	164, 233, 164
Decimal	15329700
CIELab	90.91, -10.48, 33.63
CIELCh	91, 35.229, 107.302
Yxy	78.2818, 0.3574, 0.4029
Android (android.graphics.Color)	4293519780 (0xFFE9E9A4)
YUV	225.1340, -30.1391, 6.8985
Hunter-Lab	88.4770, -14.7333, 30.7253

Details

The XYZ color **69.4440, 78.2818, 46.5718** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **43.2963, 40.3287, 82.5976**, and the grayscale version is **71.8649, 75.6075, 82.3365**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **36.4959, 41.8221, 21.1879** is the 20% darker color. If you saturate the color by 10%, you get **67.5298, 77.5188, 36.4865**, and if you desaturate by 10%, it is **71.7477, 79.2061, 58.6907**.

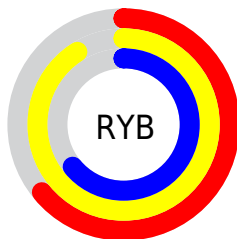
Distribution



Red (91%)

Green (91%)

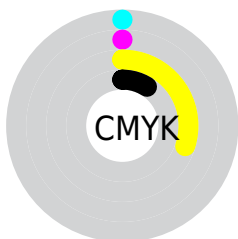
Blue (64%)



Red (64%)

Yellow (91%)

Blue (64%)

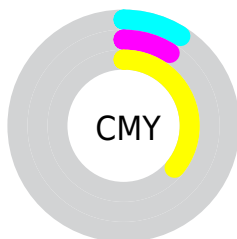


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (9%)



Cyan (9%)

Magenta (9%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4440, 78.2818, 46.5718 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 69.4440, 78.2818, 46.5718 by changing the saturation by 10% instead.

69.4440, 78.2818,
46.5718

69.4440, 78.2818,
46.5718

447.8923,
489.1233, 389.4469

51.3513, 58.3055,
32.3454

117.4461,
130.9473, 86.4174

36.7105, 42.0543,
21.3584

148.0863,
164.4053, 112.8736

25.1561, 29.1438,
13.1925

183.6397,
203.1259, 144.2435

16.3227, 19.1896,
7.4289

224.4716,
247.4937, 180.9456

9.8451, 11.8074,
3.6493

270.9475,
297.8929, 223.3984

5.3578, 6.6127,
1.4350

323.4327,

2.4956, 3.2211,

354.7080, 272.0206

0.1688

382.2925,
418.3233, 327.2305

■ 0.8930, 1.2482,
0.0000

■ 0.0000, 0.1006,
0.0000

■ 69.4440, 78.2818,
46.5718

■ 69.4440, 78.2818,
46.5718

■ 67.5298, 77.5188,
36.4865

■ 71.7477, 79.2061,
58.6907

■ 65.9782, 76.8980,
28.3189


■ 74.4545, 80.2889,
72.9409


■ 64.7679, 76.4139,
21.9491


■ 77.5844, 81.5409,
89.4196


■ 63.8732, 76.0559,
17.2414


■ 80.7975, 82.8263,
106.3363


 63.2649, 75.8125,
14.0413


 80.7982, 82.8266,
106.3363


 62.9080, 75.6697,
12.1651


 80.7989, 82.8269,
106.3364

 62.7453, 75.6045,
11.3119

 80.7995, 82.8273,
106.3364

 62.7403, 75.6025,
11.2860

 80.8002, 82.8276,
106.3364

 80.8008, 82.8279,
106.3365

Harmonies

Analogous

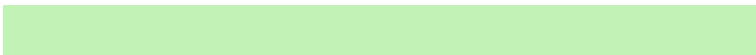
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2190, 78.2818, 45.8961



69.4440, 78.2818, 46.5718



62.5546, 78.2818, 56.2037

Triad

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



69.4440, 78.2818, 46.5718



63.4219, 78.2818, 126.4342



92.3240, 78.2818, 96.4361

Complementary

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



69.4440, 78.2818, 46.5718



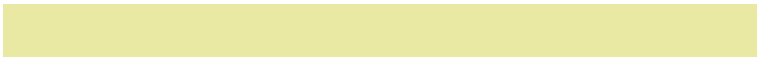
43.2963, 40.3287, 82.5976

Split Complementary

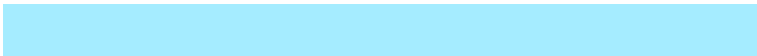
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6636, 78.2818, 122.8583



69.4440, 78.2818, 46.5718



70.7161, 78.2818, 142.3534

Square

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



69.4440, 78.2818, 46.5718



59.2723, 78.2818, 100.6118



79.5958, 78.2818, 140.9281



91.9150, 78.2818, 71.5116

Rectangle

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



69.4440, 78.2818, 46.5718



59.7459, 78.2818, 67.7336



79.5958, 78.2818, 140.9281



91.2838, 78.2818, 105.5192

Sweetspot

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



69.4460, 78.2853, 46.5734



91.5719, 98.6087, 90.5882



53.5832, 46.5568, 41.2853



19.4884, 21.0616, 18.8015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

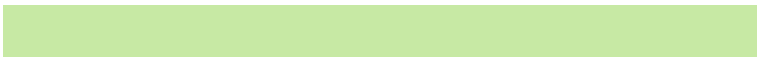
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.4460, 78.2853, 46.5734



83.6259, 95.4300, 48.7566



59.2635, 73.0361, 46.0969



16.3519, 17.6269, 16.0592



35.5982, 42.8960, 6.4035



2.7954, 3.3684, 0.5028

Inverse Universe

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



43.2963, 40.3287, 82.5976



46.3296, 41.2940, 100.1364



51.4066, 44.5097, 82.9771



14.2314, 14.5490, 18.9804



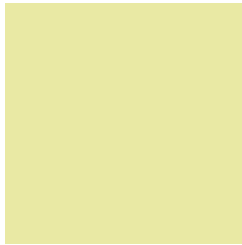
8.3458, 3.3383, 43.9475



0.6554, 0.2622, 3.4509

Previews

White Background



This preview shows how the XYZ color 69.4440, 78.2818, 46.5718 looks on a white background.

Color Contrast Check

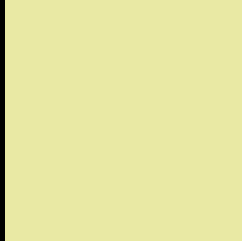
Large Text (above 18pt) WCAG AA × Fail

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 69.4440, 78.2818, 46.5718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

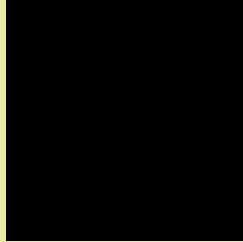
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.4440, 78.2818, 46.5718

Background



This preview shows how black text looks on a background with the XYZ color 69.4440, 78.2818, 46.5718.

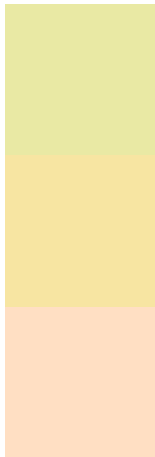


This preview shows how white text looks on a background with the XYZ color 69.4440, 78.2818,

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

69.4440, 78.2818, 46.5718

Protanopia

72.8987, 78.4214, 45.4771

Deuteranopia

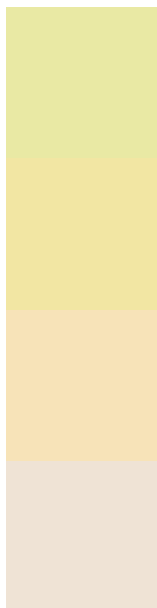
77.4780, 77.9755, 62.5970



Tritanopia

78.8828, 78.0035, 94.1177

Trichromacy



Original Color

69.4440, 78.2818, 46.5718

Protanomaly

71.5256, 78.1152, 45.9583

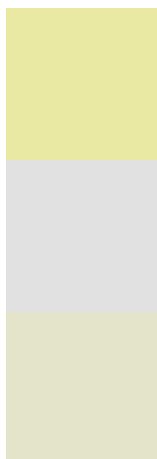
Deuteranomaly

74.4786, 78.1730, 56.5109

Tritanomaly

75.0759, 78.0930, 74.0673

Monochromacy



Original Color

69.4440, 78.2818, 46.5718

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

70.5178, 76.2926, 67.5092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4440, 78.2818, 46.5718 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(233, 233, 164)` looks like.

```
.text, #text, p{  
    color:rgb(233, 233, 164)  
}
```

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(233, 233, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 233, 164) }
```

Border

The CSS property to change the border of an element to XYZ 69.4440, 78.2818, 46.5718 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(233, 233, 164) }
```


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

```
.border{ border-color:rgb(233, 233, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 233, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 233, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 233, 164);  
box-shadow:4px 4px 4px 4px rgb(233, 233,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4440, 78.2818, 46.5718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 233, 164) }
```

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

```
.background{ background-color: rgb(233,  
233, 164) }
```

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