

Converting Colors

XYZ(69.3325, 77.5950, 44.1244)

Have a look what the booklet for
XYZ(69.3325, 77.5950, 44.1244)
contains.

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Color

**XYZ(69.0949, 77.3172,
44.0829)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | EBE79F |
| RGB | 235, 231, 159 |
| RGB Percent | 92%, 91%, 62% |
| CMY | 0.0784, 0.0941, 0.3765 |
| CMYK | 0.00, 0.02, 0.32, 0.08 |
| HSL | 57°, 66%, 77% |
| HSV | 57°, 32%, 92% |
| XYZ | 69.0949, 77.3172, 44.0829 |
| YIQ | 223.9880, 25.4960, -21.5440 |

Conversions

Conversions Part 2

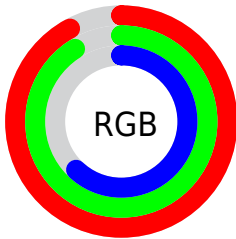
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 163, 235, 159 |
| Decimal | 15460255 |
| CIELab | 90.47, -9.33, 35.61 |
| CIELCh | 90, 36.811, 104.686 |
| Yxy | 77.3172, 0.3627, 0.4059 |
| Android (android.graphics.Color) | 4293650335 (0xFFE79F) |
| YUV | 223.9880, -32.0391, 9.6575 |
| Hunter-Lab | 87.9302, -13.6139, 31.8267 |

Details

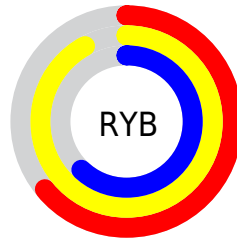
The XYZ color **69.0949, 77.3172, 44.0829** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.3905, 39.5625, 83.9996**, and the grayscale version is **71.0536, 74.7540, 81.4071**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **36.5393, 41.5772, 20.0093** is the 20% darker color. If you saturate the color by 10%, you get **66.9028, 75.8919, 34.2300**, and if you desaturate by 10%, it is **71.6811, 78.9095, 55.9817**.

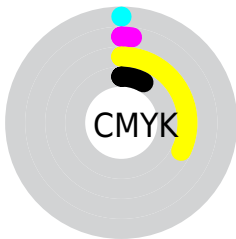
Distribution



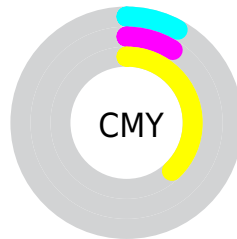
- Red (92%)
- Green (91%)
- Blue (62%)



- Red (64%)
- Yellow (92%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (32%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.0949, 77.3172, 44.0829 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 69.0949, 77.3172, 44.0829 by changing the saturation by 10% instead.

69.0949, 77.3172,
44.0829

69.0949, 77.3172,
44.0829

446.6818,
485.8448, 379.0977

51.0659, 57.5132,
30.3980

116.9504,
129.5871, 82.6463

36.4823, 41.4175,
19.8863

147.5077,
162.8219, 108.3619

24.9788, 28.6454,
12.1291

182.9718,
201.3024, 138.9247

16.1899, 18.8128,
6.7081

223.7080,
245.4131, 174.7535

9.7503, 11.5351,
3.2046

270.0818,
295.5383, 216.2666

5.2947, 6.4279,
1.2000

322.4584,

2.4577, 3.1070,

352.0623, 263.8826

0.0000

381.2033,
415.3697, 318.0202

■ 0.8740, 1.1878,
0.0000

■ 0.0000, 0.0517,
0.0000

■ 69.0949, 77.3172,
44.0829

■ 69.0949, 77.3172,
44.0829

■ 66.9028, 75.8919,
34.2300

■ 71.6811, 78.9095,
55.9817

■ 65.0768, 74.6142,
26.3020

■ 74.6758, 80.6664,
70.0283

■ 63.5948, 73.4780,
20.1728

■ 78.0999, 82.5989,
86.3239

■ 62.4295, 72.4723,
15.6995

■ 81.9711, 84.7143,
104.9616

■ 61.5495, 71.5847,
12.7173

■ 82.6478, 85.5557,
106.7656

■ 60.9173, 70.8000,
11.0274

■ 83.0070, 86.2742,
106.8854

■ 60.5551, 70.2504,
10.3681

■ 83.3687, 86.9975,
107.0059

■ 83.7328, 87.7258,
107.1273

■ 84.0995, 88.4590,
107.2495

Harmonies

Analogous

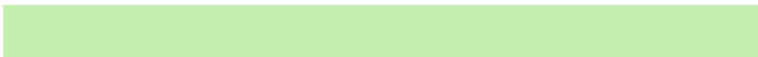
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2578, 77.3172, 44.1763



69.0949, 77.3172, 44.0829



61.7401, 77.3172, 53.0673

Triad

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



69.0949, 77.3172, 44.0829



61.6182, 77.3172, 125.0592



91.8975, 77.3172, 98.2822

Complementary

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



69.0949, 77.3172, 44.0829



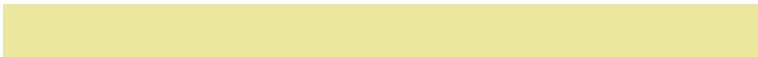
42.3905, 39.5625, 83.9996

Split Complementary

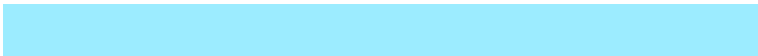
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.6382, 77.3172, 125.5708



69.0949, 77.3172, 44.0829



68.9154, 77.3172, 143.0899

Square

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



69.0949, 77.3172, 44.0829



57.6743, 77.3172, 97.6891



78.0628, 77.3172, 143.2946



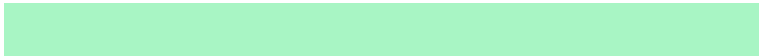
91.9557, 77.3172, 71.9871

Rectangle

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



69.0949, 77.3172, 44.0829



58.6328, 77.3172, 64.3339



78.0628, 77.3172, 143.2946



90.6609, 77.3172, 107.7502

Sweetspot

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



69.0968, 77.3207, 44.0845



90.7867, 97.6130, 88.5515



53.3666, 45.1421, 41.0551



19.3130, 20.8251, 18.3894



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.



69.0968, 77.3207, 44.0845



81.3179, 91.8754, 44.7009



60.3421, 74.4861, 43.9988



16.2802, 17.4834, 16.0353



33.7319, 39.1580, 5.7804



2.6696, 3.1165, 0.4608

Inverse Universe

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



42.3905, 39.5625, 83.9996



44.3793, 39.6549, 99.9229



49.1157, 41.9932, 84.1143



14.2947, 14.6759, 19.0016



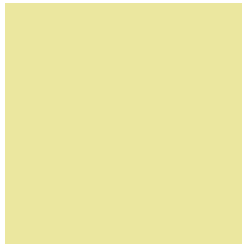
8.4489, 3.5448, 43.9819



0.6859, 0.3232, 3.4611

Previews

White Background



This preview shows how the XYZ color 69.0949, 77.3172, 44.0829 looks on a white background.

Color Contrast Check

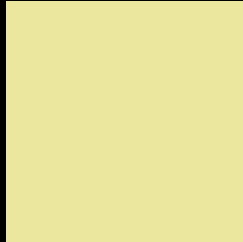
Large Text (above 18pt) WCAG AA × Fail

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 69.0949, 77.3172, 44.0829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

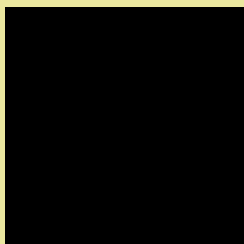
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.0949, 77.3172, 44.0829

Background



This preview shows how black text looks on a background with the XYZ color 69.0949, 77.3172, 44.0829.

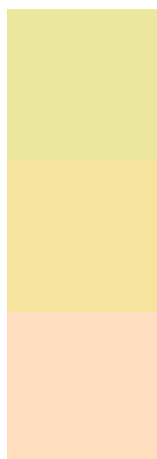


This preview shows how white text looks on a background with the XYZ color 69.0949, 77.3172,

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

69.0949, 77.3172, 44.0829

Protanopia

71.6467, 76.9996, 43.4340

Deuteranopia

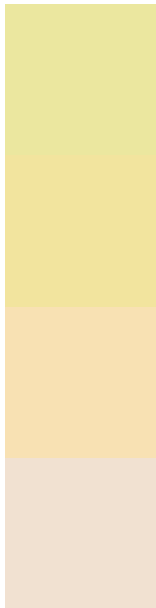
76.7652, 77.2641, 60.1577



Tritanopia

78.5973, 77.1190, 91.6319

Trichromacy



Original Color

69.0949, 77.3172, 44.0829

Protanomaly

70.5329, 76.8327, 43.4605

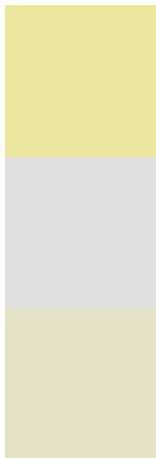
Deuteranomaly

73.7733, 77.0616, 53.6339

Tritanomaly

74.7095, 77.1546, 71.2763

Monochromacy



Original Color

69.0949, 77.3172, 44.0829

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

69.8893, 75.6023, 65.5527

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.0949, 77.3172, 44.0829 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, 231, 159)` looks like.

```
.text, #text, p{  
    color:rgb(235, 231, 159)  
}
```

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, 231, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 231, 159) }
```

Border

The CSS property to change the border of an element to XYZ 69.0949, 77.3172, 44.0829 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, 231, 159) }
```


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

```
.border{ border-color:rgb(235, 231, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 231, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 231, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 231, 159);  
box-shadow:4px 4px 4px 4px rgb(235, 231,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 69.0949, 77.3172, 44.0829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 231, 159) }
```

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

```
.background{ background-color: rgb(235,  
231, 159) }
```

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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