

Converting Colors

XYZ(69.9607, 76.4577, 32.4379)

Have a look what the booklet for
XYZ(69.9607, 76.4577, 32.4379)
contains.

XYZ(69.9236, 76.3510, 32.5246)	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(69.9236, 76.3510,
32.5246)**

Conversions

Conversions Part 1

Format	Color
Hex	F7E383
RGB	247, 227, 131
RGB Percent	97%, 89%, 51%
CMY	0.0314, 0.1098, 0.4863
CMYK	0.00, 0.08, 0.47, 0.03
HSL	50°, 88%, 74%
HSV	50°, 47%, 97%
XYZ	69.9236, 76.3510, 32.5246
YIQ	222.0360, 42.7360, -25.6160

Conversions

Conversions Part 2

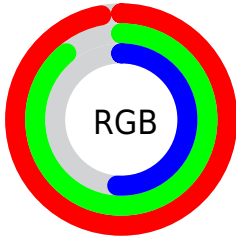
Format	Color
R_{YB}	155, 247, 131
Decimal	16245635
CIE _{Lab}	90.02, -5.62, 49.10
CIE _{LCh}	90, 49.423, 96.532
Yxy	76.3510, 0.3911, 0.4270
Android (android.graphics.Color)	4294435715 (0xFF7E383)
YUV	222.0360, -44.8807, 21.8934
Hunter-Lab	87.3791, -10.0718, 39.0962

Details

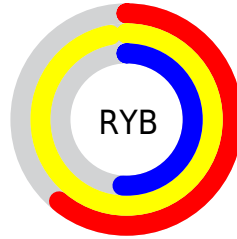
The XYZ color **69.9236, 76.3510, 32.5246** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.2150, 33.6729, 92.5336**, and the grayscale version is **69.7442, 73.3763, 79.9068**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **37.1501, 40.8884, 13.3314** is the 20% darker color. If you saturate the color by 10%, you get **67.2957, 73.4624, 24.3512**, and if you desaturate by 10%, it is **72.9831, 79.4639, 42.8121**.

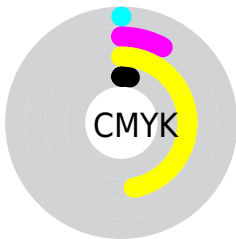
Distribution



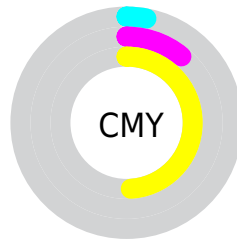
- Red (97%)
- Green (89%)
- Blue (51%)



- Red (61%)
- Yellow (97%)
- Blue (51%)



- Cyan (0%)
- Magenta (8%)
- Yellow (47%)
- Black (3%)




- Cyan (3%)
- Magenta (11%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.9236, 76.3510, 32.5246 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 69.9236, 76.3510, 32.5246 by changing the saturation by 10% instead.


 69.9236, 76.3510,
32.5246

 69.9236, 76.3510,
32.5246

449.5523,
482.5484, 328.0682


 51.7436, 56.7204,
21.4944


 118.1267,
128.2229, 64.7400

 37.0242, 40.7808,
13.2911


 148.8805,
161.2330, 86.7623

 25.4000, 28.1478,
7.4962

 184.5562,
199.4718, 113.2857

 16.5056, 18.4371,
3.6912

225.5193,
243.3235, 144.7288

 9.9758, 11.2643,
1.4575

272.1352,
293.1726, 181.5100

 5.4450, 6.2449,
0.1860

324.7690,

 2.5481, 2.9946,

349.4036, 224.0479

0.0000

383.7863,
412.4007, 272.7611

■ 0.9196, 1.1289,
0.0000

■ 0.0000, 0.0024,
0.0000

■ 69.9236, 76.3510,
32.5246

■ 69.9236, 76.3510,
32.5246

■ 67.2957, 73.4624,
24.3512

■ 72.9831, 79.4639,
42.8121

■ 65.0647, 70.7755,
18.1354


■ 76.4947, 82.8013,
55.3460


■ 63.1997, 68.2804,
13.7067


■ 80.4844, 86.3766,
70.2530

■ 61.6621, 65.9614,
10.8629


■ 84.9743, 90.1990,
87.6493

 60.4027, 63.7984,
9.3462

 89.9853, 94.2772,
107.6432

 60.0521, 63.1629,
9.0266

 91.3912, 96.9611,
108.5063

 92.1677, 98.5141,
108.7651

Harmonies

Analogous

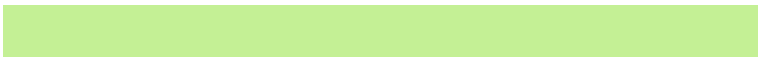
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3552, 76.3510, 35.3522



69.9236, 76.3510, 32.5246



59.4366, 76.3510, 39.8700

Triad

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



69.9236, 76.3510, 32.5246



55.2470, 76.3510, 130.0799



96.3800, 76.3510, 112.9812

Complementary

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



69.9236, 76.3510, 32.5246



37.2150, 33.6729, 92.5336

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.



87.5066, 76.3510, 149.9383



69.9236, 76.3510, 32.5246



63.5911, 76.3510, 161.5943

Square

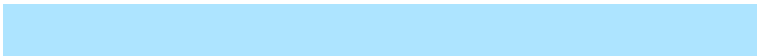
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.9236, 76.3510, 32.5246



51.6008, 76.3510, 91.0428



75.2810, 76.3510, 169.7325



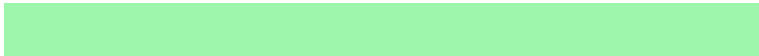
98.5646, 76.3510, 75.6956

Rectangle

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



69.9236, 76.3510, 32.5246



54.6470, 76.3510, 51.2165



75.2810, 76.3510, 169.7325



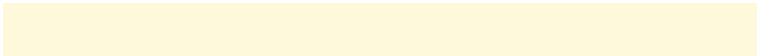
94.0356, 76.3510, 126.1388

Sweetspot

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



69.9255, 76.3546, 32.5262



87.8940, 94.0469, 80.7455



52.1639, 38.2833, 34.4614



18.5976, 19.9437, 16.4573



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.



69.9255, 76.3546, 32.5262



72.5804, 79.2435, 26.8578



64.0122, 81.9011, 33.9084



17.6574, 18.7990, 17.4955



31.8525, 33.5905, 4.8048



2.8622, 3.0776, 0.4432

Inverse Universe

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



37.2150, 33.6729, 92.5336



33.6767, 28.5161, 98.3370



40.9973, 31.2445, 91.8655



15.8120, 16.3883, 20.8724



9.3977, 4.5892, 46.9285



0.8901, 0.5316, 4.1459

Previews

White Background



This preview shows how the XYZ color 69.9236, 76.3510, 32.5246 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 69.9236, 76.3510, 32.5246 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 69.9236, 76.3510, 32.5246

Background



This preview shows how black text looks on a background with the XYZ color 69.9236, 76.3510, 32.5246.

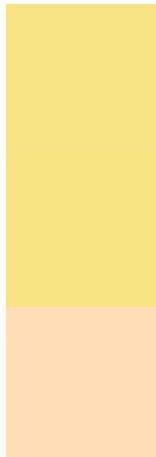


This preview shows how white text looks on a background with the XYZ color 69.9236, 76.3510,

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

69.9236, 76.3510, 32.5246

Protanopia

70.2772, 76.5333, 32.5411

Deuteranopia

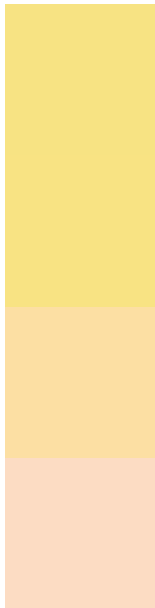
75.5399, 76.3503, 55.0117



Tritanopia

80.3614, 76.1979, 86.8161

Trichromacy



Original Color

69.9236, 76.3510, 32.5246

Protanomaly

70.2772, 76.5333, 32.5411

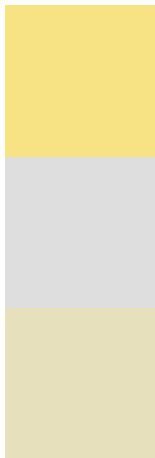
Deuteranomaly

73.1434, 76.1151, 45.4870

Tritanomaly

75.5884, 75.8220, 62.2809

Monochromacy



Original Color

69.9236, 76.3510, 32.5246

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7960, 73.9744, 58.7967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.9236, 76.3510, 32.5246 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(247, 227, 131)` looks like.

```
.text, #text, p{  
    color:rgb(247, 227, 131)  
}
```

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(247, 227, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 227, 131) }
```

Border

The CSS property to change the border of an element to XYZ 69.9236, 76.3510, 32.5246 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(247, 227, 131) }
```


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

```
.border{ border-color:rgb(247, 227, 131) }
```

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

Here you see how a box with a 4 pixel rgb(247, 227, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 227, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 227, 131);  
box-shadow:4px 4px 4px 4px rgb(247, 227,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 69.9236, 76.3510, 32.5246 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 227, 131) }
```

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

```
.background{ background-color: rgb(247,  
227, 131) }
```

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