

Converting Colors

XYZ(67.7502, 82.4944, 32.7492)

Have a look what the booklet for
XYZ(67.7502, 82.4944, 32.7492)
contains.

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Color

**XYZ(67.6110, 82.4286,
32.7689)**

Conversions

Conversions Part 1

Format	Color
Hex	E2F480
RGB	226, 244, 128
RGB Percent	89%, 96%, 50%
CMY	0.1137, 0.0431, 0.4980
CMYK	0.07, 0.00, 0.48, 0.04
HSL	69°, 84%, 73%
HSV	69°, 48%, 96%
XYZ	67.6110, 82.4286, 32.7689
YIQ	225.3940, 26.5080, -39.8920

Conversions

Conversions Part 2

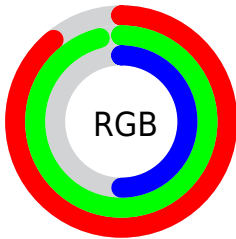
Format	Color
R_{YB}	128, 244, 146
Decimal	14873728
CIE _{Lab}	92.76, -22.47, 53.50
CIE _{LCh}	93, 58.023, 112.786
Yxy	82.4286, 0.3698, 0.4509
Android (android.graphics.Color)	4293063808 (0xFFE2F480)
YUV	225.3940, -48.0152, 0.5315
Hunter-Lab	90.7902, -25.9548, 42.1536

Details

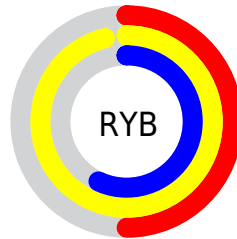
The XYZ color **67.6110, 82.4286, 32.7689** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.9054, 28.0830, 89.1209**, and the grayscale version is **72.1751, 75.9338, 82.6919**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **35.6154, 44.9095, 13.4479** is the 20% darker color. If you saturate the color by 10%, you get **65.0204, 81.2596, 25.2489**, and if you desaturate by 10%, it is **70.6181, 83.7731, 42.3273**.

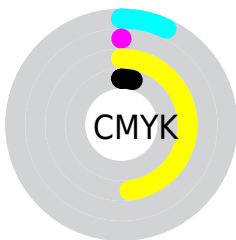
Distribution



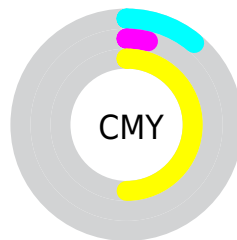
- Red (89%)
- Green (96%)
- Blue (50%)



- Red (50%)
- Yellow (96%)
- Blue (57%)



- Cyan (7%)
- Magenta (0%)
- Yellow (48%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.6110, 82.4286, 32.7689 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 67.6110, 82.4286, 32.7689 by changing the saturation by 10% instead.


 67.6110, 82.4286,
32.7689

 67.6110, 82.4286,
32.7689


441.5149,
503.0802, 329.2071


 49.8539, 61.7189,
21.6798


 114.8404,
136.7749, 65.1264

 35.5146, 44.8056,
13.4257


 145.0435,
171.1802, 87.2319

 24.2279, 31.3043,
7.5882


 180.1258,
210.9196, 113.8466

 15.6284, 20.8307,
3.7486

220.4528,
256.3773, 145.3890

 9.3508, 13.0003,
1.4885

266.3899,
307.9379, 182.2778

 5.0296, 7.4288,
0.2093

318.3024,

 2.2996, 3.7317,

365.9856, 224.9313

0.0000

376.5556,
430.9049, 273.7683

0.7945, 1.5246,
0.0000

0.0000, 0.3060,
0.0000

67.6110, 82.4286,
32.7689

67.6110, 82.4286,
32.7689

65.0204, 81.2596,
25.2489

70.6181, 83.7731,
42.3273

62.8118, 80.2435,
19.6138


74.0611, 85.2921,
54.0524


60.9553, 79.3712,
15.6970


77.9654, 86.9987,
68.0681


59.4130, 78.6275,
13.3005


82.3527, 88.9015,
84.4874


 58.1349, 77.9925,
12.1623

 87.2431, 91.0087,
103.4158

 57.8425, 77.8456,
11.9771

 89.3714, 92.0142,
107.6579

 90.7332, 92.7162,
107.7216

 91.6425, 93.1850,
107.7642

Harmonies

Analogous

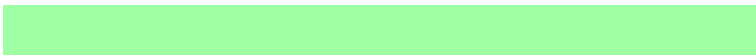
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.0560, 82.4286, 29.8741



67.6110, 82.4286, 32.7689



57.3875, 82.4286, 48.2052

Triad

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



67.6110, 82.4286, 32.7689



62.0365, 82.4286, 173.7909



110.8944, 82.4286, 100.6243

Complementary

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



67.6110, 82.4286, 32.7689



35.9054, 28.0830, 89.1209

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.



103.8712, 82.4286, 150.1543



67.6110, 82.4286, 32.7689



74.7494, 82.4286, 200.3709

Square

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



67.6110, 82.4286, 32.7689



54.4701, 82.4286, 126.0377



90.1609, 82.4286, 190.5559



108.3425, 82.4286, 61.1970

Rectangle

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



67.6110, 82.4286, 32.7689



53.7145, 82.4286, 67.2842



90.1609, 82.4286, 190.5559



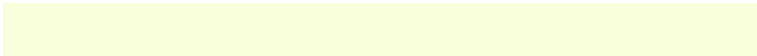
109.5475, 82.4286, 116.7327

Sweetspot

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



67.6130, 82.4323, 32.7706



87.8163, 96.8744, 81.2953



51.3940, 41.1672, 25.6605



18.5783, 20.6404, 16.5928



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.



67.6130, 82.4323, 32.7706



71.9767, 89.8675, 28.2047



52.5264, 74.6549, 32.0646



17.6472, 19.1757, 17.5687



31.5451, 42.3749, 6.5166



2.8392, 3.7587, 0.5759

Inverse Universe

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



35.9054, 28.0830, 89.1209



33.1371, 23.2191, 97.3430



48.7887, 34.7247, 89.7238



15.8206, 16.0502, 20.8067



9.3826, 3.8112, 46.7791



0.8943, 0.3709, 4.1147

Previews

White Background



This preview shows how the XYZ color 67.6110, 82.4286, 32.7689 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 67.6110, 82.4286, 32.7689 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

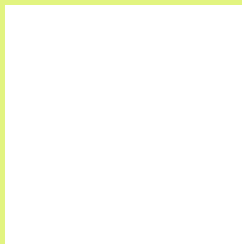
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 67.6110, 82.4286, 32.7689

Background



This preview shows how black text looks on a background with the XYZ color 67.6110, 82.4286, 32.7689.

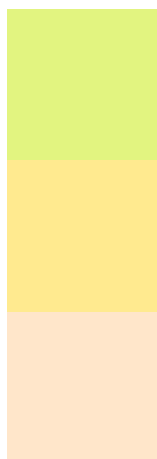


This preview shows how white text looks on a background with the XYZ color 67.6110, 82.4286,

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

67.6110, 82.4286, 32.7689

Protanopia

75.6207, 82.0888, 37.8457

Deuteranopia

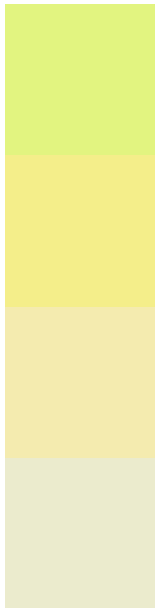
80.1975, 82.1179, 67.5006



Tritanopia

81.3309, 81.9584, 101.1555

Trichromacy



Original Color

67.6110, 82.4286, 32.7689

Protanomaly

72.4702, 82.2171, 36.0947

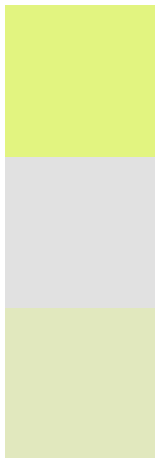
Deuteranomaly

74.7544, 81.7449, 52.3958

Tritanomaly

74.9887, 81.4866, 69.5338

Monochromacy



Original Color

67.6110, 82.4286, 32.7689

Achromatopsia

71.5672, 75.2942, 81.9954

Achromatomaly

69.2022, 77.4385, 60.0150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.6110, 82.4286, 32.7689 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(226, 244, 128)` looks like.

```
.text, #text, p{  
    color:rgb(226, 244, 128)  
}
```

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(226, 244, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 244, 128) }
```

Border

The CSS property to change the border of an element to XYZ 67.6110, 82.4286, 32.7689 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(226, 244, 128) }
```


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

```
.border{ border-color:rgb(226, 244, 128) }
```

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

Here you see how a box with a 4 pixel rgb(226, 244, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 244, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 244, 128);  
box-shadow:4px 4px 4px 4px rgb(226, 244,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 67.6110, 82.4286, 32.7689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 244, 128) }
```

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

```
.background{ background-color: rgb(226,  
244, 128) }
```

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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