

Converting Colors

XYZ(67.8288, 85.4810, 23.2787)

Have a look what the booklet for
XYZ(67.8288, 85.4810, 23.2787)
contains.

XYZ(67.8399, 85.4924, 23.2821)	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(67.8399, 85.4924,
23.2821)**

Conversions

Conversions Part 1

Format	Color
Hex	E3FA5D
RGB	227, 250, 93
RGB Percent	89%, 98%, 36%
CMY	0.1098, 0.0196, 0.6353
CMYK	0.09, 0.00, 0.63, 0.02
HSL	69°, 94%, 67%
HSV	69°, 63%, 98%
XYZ	67.8399, 85.4924, 23.2821
YIQ	225.2250, 36.6890, -53.7030

Conversions

Conversions Part 2

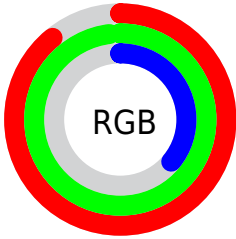
Format	Color
RYB	93, 250, 116
Decimal	14940765
CIELab	94.09, -27.71, 70.22
CIELCh	94, 75.491, 111.532
Yxy	85.4924, 0.3841, 0.4841
Android (android.graphics.Color)	4293130845 (0xFFE3FA5D)
YUV	225.2250, -65.1869, 1.5567
Hunter-Lab	92.4621, -30.8423, 49.7942

Details

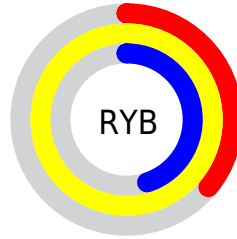
The XYZ color **67.8399, 85.4924, 23.2821** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **28.3751, 18.4459, 92.5125**, and the grayscale version is **72.1680, 75.9263, 82.6838**.

A 20% lighter version of the original color is **82.4248, 94.9499, 42.4167**, and **35.6746, 47.0021, 8.4204** is the 20% darker color. If you saturate the color by 10%, you get **65.7661, 84.5339, 18.3200**, and if you desaturate by 10%, it is **70.3042, 86.6161, 30.1545**.

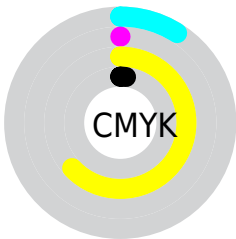
Distribution



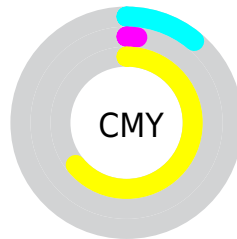
- Red (89%)
- Green (98%)
- Blue (36%)



- Red (36%)
- Yellow (98%)
- Blue (45%)



- Cyan (9%)
- Magenta (0%)
- Yellow (63%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 67.8399, 85.4924, 23.2821 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 67.8399, 85.4924, 23.2821 by changing the saturation by 10% instead.

 67.8399, 85.4924,
23.2821

 67.8399, 85.4924,
23.2821


442.3142,
513.2560, 282.3394


 50.0407, 64.2483,
14.5947


 115.1662,
141.0609, 49.7852


 35.6637, 46.8518,
8.3920


 145.4241,
176.1542, 68.4379

 24.3435, 32.9185,
4.2554


 180.5656,
216.6326, 91.2495

 15.7147, 22.0640,
1.7665

 220.9560,
262.8805, 118.6385

 9.4121, 13.9040,
0.4057

266.9607,
315.2825, 151.0235

 5.0702, 8.0539,
0.0000

318.9450,

 2.3237, 4.1295,

374.2228, 188.8229

0.0000

377.2744,
440.0858, 232.4553

0.8067, 1.7462,
0.0000

0.0000, 0.4533,
0.0000

67.8399, 85.4924,
23.2821

67.8399, 85.4924,
23.2821

65.7661, 84.5339,
18.3200

70.3042, 86.6161,
30.1545

64.0397, 83.7141,
15.0691


73.1849, 87.9062,
39.0994


62.6182, 83.0190,
13.2964


76.5126, 89.3779,
50.2682


61.7357, 82.5767,
12.6851

80.3132, 91.0417,
63.7963

 84.6105, 92.9071,
79.8087

 89.4266, 94.9829,
98.4212

 92.6162, 96.4111,
108.3355

 93.4776, 96.8551,
108.3759

Harmonies

Analogous

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



87.1033, 85.4924, 20.7813



67.8399, 85.4924, 23.2821



54.5201, 85.4924, 39.6808

Triad

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



67.8399, 85.4924, 23.2821



59.4426, 85.4924, 209.9300



125.9665, 85.4924, 110.4178

Complementary

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



67.8399, 85.4924, 23.2821



28.3751, 18.4459, 92.5125

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.



115.5594, 85.4924, 180.6779



67.8399, 85.4924, 23.2821



75.6801, 85.4924, 251.8149

Square

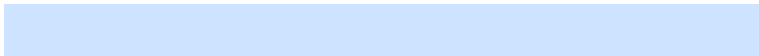
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.8399, 85.4924, 23.2821



50.2595, 85.4924, 140.0879



96.3380, 85.4924, 239.3301



122.9325, 85.4924, 57.9851

Rectangle

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



67.8399, 85.4924, 23.2821



49.7464, 85.4924, 62.1512



96.3380, 85.4924, 239.3301



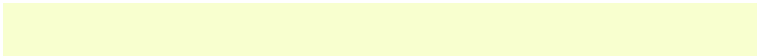
123.8695, 85.4924, 132.8866

Sweetspot

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



67.8419, 85.4963, 23.2839



85.6435, 95.9412, 72.7481



47.4130, 33.1363, 14.2541



18.0644, 20.4193, 14.5879



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.



67.8419, 85.4963, 23.2839



68.3488, 88.2140, 18.2379



48.8468, 75.7040, 22.3949



18.4627, 20.0543, 18.3602



32.8407, 43.8483, 6.7327



3.1076, 4.0951, 0.6266

Inverse Universe

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



28.3751, 18.4459, 92.5125



24.2606, 13.1224, 95.8620



43.0207, 25.9960, 93.1979



16.5197, 16.7650, 21.7506



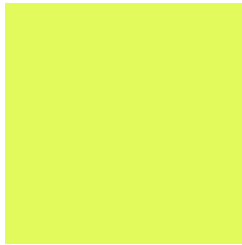
9.6222, 3.9031, 48.2198



0.9600, 0.3970, 4.4692

Previews

White Background



This preview shows how the XYZ color 67.8399, 85.4924, 23.2821 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 67.8399, 85.4924, 23.2821 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 67.8399, 85.4924, 23.2821

Background



This preview shows how black text looks on a background with the XYZ color 67.8399, 85.4924, 23.2821.

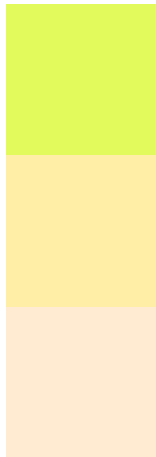


This preview shows how white text looks on a background with the XYZ color 67.8399, 85.4924,

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

67.8399, 85.4924, 23.2821

Protanopia

78.6975, 85.1622, 48.3665

Deuteranopia

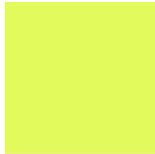
82.2957, 84.7588, 72.9954



Tritanopia

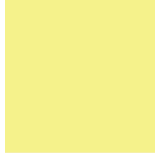
84.4607, 85.1706, 104.9165

Trichromacy



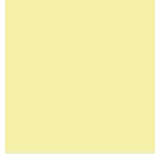
Original Color

67.8399, 85.4924, 23.2821



Protanomaly

74.0685, 84.7808, 36.8866



Deuteranomaly

75.7913, 84.5227, 48.8791



Tritanomaly

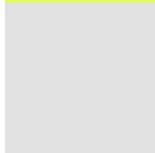
76.2703, 84.4374, 63.9079

Monochromacy



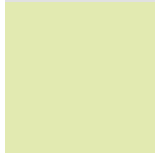
Original Color

67.8399, 85.4924, 23.2821



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

68.7227, 78.1887, 53.0648

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.8399, 85.4924, 23.2821 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(227, 250, 93)` looks like.

```
.text, #text, p{  
    color:rgb(227, 250, 93)  
}
```

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(227, 250, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 250, 93) }
```

Border

The CSS property to change the border of an element to XYZ 67.8399, 85.4924, 23.2821 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(227, 250, 93) }
```


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

```
.border{ border-color:rgb(227, 250, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 250, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 250, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 250, 93);  
box-shadow:4px 4px 4px 4px rgb(227, 250,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 67.8399, 85.4924, 23.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 250, 93) }
```

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

```
.background{ background-color: rgb(227,  
250, 93) }
```

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