

Converting Colors

XYZ(70.1423, 83.2957, 32.4595)

Have a look what the booklet for
XYZ(70.1423, 83.2957, 32.4595)
contains.

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Color

**XYZ(70.1423, 83.2957,
32.4595)**

Conversions

Conversions Part 1

Format	Color
Hex	EBF37F
RGB	235, 243, 127
RGB Percent	92%, 95%, 50%
CMY	0.0784, 0.0470, 0.5019
CMYK	0.03, 0.00, 0.48, 0.05
HSL	64°, 83%, 73%
HSV	64°, 48%, 95%
XYZ	70.1423, 83.2957, 32.4595
YIQ	227.3840, 32.4680, -37.7720

Conversions

Conversions Part 2

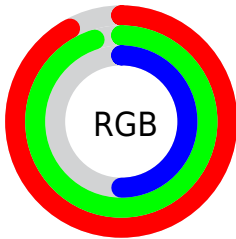
Format	Color
RYB	127, 243, 135
Decimal	15463295
CIELab	93.14, -18.61, 54.57
CIELCh	93, 57.659, 108.828
Yxy	83.2957, 0.3773, 0.4481
Android (android.graphics.Color)	4293653375 (0xFFEBF37F)
YUV	227.3840, -49.4893, 6.6792
Hunter-Lab	91.2665, -22.5312, 42.7997

Details

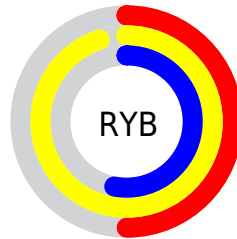
The XYZ color **70.1423, 83.2957, 32.4595** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **33.7617, 26.8028, 88.1931**, and the grayscale version is **73.6279, 77.4623, 84.3564**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **37.1378, 45.3822, 13.2808** is the 20% darker color. If you saturate the color by 10%, you get **68.1954, 82.4563, 25.0752**, and if you desaturate by 10%, it is **72.4804, 84.2982, 41.8588**.

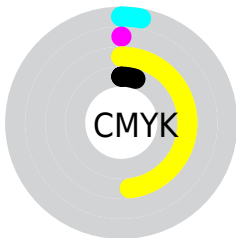
Distribution



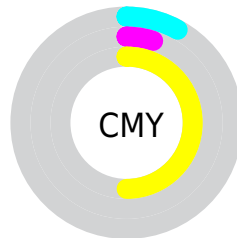
- Red (92%)
- Green (95%)
- Blue (50%)



- Red (50%)
- Yellow (95%)
- Blue (53%)



- Cyan (3%)
- Magenta (0%)
- Yellow (48%)
- Black (5%)



- Cyan (8%)
- Magenta (5%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.1423, 83.2957, 32.4595 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 70.1423, 83.2957, 32.4595 by changing the saturation by 10% instead.

70.1423, 83.2957,
32.4595

70.1423, 83.2957,
32.4595

450.3081,
505.9715, 327.7641

51.9226, 62.4341,
21.4450

118.4368,
137.9895, 64.6370

37.1674, 45.3836,
13.2553

149.2423,
172.5906, 86.6371

25.5114, 31.7597,
7.4718

184.9738,
212.5402, 113.1361

16.5892, 21.1780,
3.6760

225.9966,
258.2229, 144.5526

10.0355, 13.2542,
1.4493

272.6761,
310.0230, 181.3051

5.4850, 7.6038,
0.1797

325.3776,

2.5722, 3.8425,

368.3248, 223.8122

0.0000

384.4665,
433.5129, 272.4923

■ 0.9318, 1.5858,
0.0000

■ 0.0000, 0.3480,
0.0000

■ 70.1423, 83.2957,
32.4595

■ 70.1423, 83.2957,
32.4595

■ 68.1954, 82.4563,
25.0752

■ 72.4804, 84.2982,
41.8588

■ 66.6057, 81.7573,
19.5538


■ 75.2288, 85.4625,
53.4004


■ 65.3435, 81.1900,
15.7298


■ 78.4126, 86.8015,
67.2071


■ 64.3715, 80.7393,
13.4065

■ 82.0530, 88.3237,
83.3911


 63.6393, 80.3851,
12.3197

 86.1700, 90.0372,
102.0568

 63.4898, 80.3115,
12.1554

 87.7808, 90.7489,
107.4975

 88.3688, 91.0520,
107.5250

 88.9622, 91.3579,
107.5528

 89.5609, 91.6666,
107.5808

Harmonies

Analogous

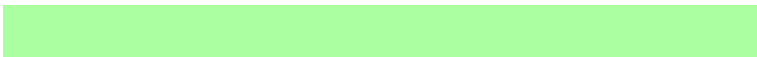
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9452, 83.2957, 31.0288



70.1423, 83.2957, 32.4595



59.2176, 83.2957, 46.1382

Triad

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



70.1423, 83.2957, 32.4595



61.5112, 83.2957, 169.0351



111.2994, 83.2957, 107.8258

Complementary

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



70.1423, 83.2957, 32.4595



33.7617, 26.8028, 88.1931

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.



103.1656, 83.2957, 157.3926



70.1423, 83.2957, 32.4595



73.6628, 83.2957, 199.5313

Square

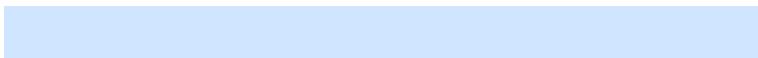
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.1423, 83.2957, 32.4595



54.6906, 83.2957, 120.3481



88.9410, 83.2957, 194.6976



110.0418, 83.2957, 66.3626

Rectangle

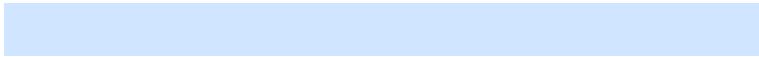
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.1423, 83.2957, 32.4595



55.0095, 83.2957, 63.7941



88.9410, 83.2957, 194.6976



109.5353, 83.2957, 124.2598

Sweetspot

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



70.1443, 83.2995, 32.4612



88.9250, 97.4459, 81.3472



49.4226, 37.8428, 24.7794



18.8513, 20.7811, 16.6056



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.



70.1443, 83.2995, 32.4612



76.2004, 92.0448, 28.4024



54.0768, 75.0164, 31.7093



17.7951, 19.2520, 17.5757



34.8909, 44.0997, 6.6732



3.0999, 3.8931, 0.5881

Inverse Universe

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



33.7617, 26.8028, 88.1931



31.2900, 22.2669, 97.2565



45.6941, 32.9542, 88.7515



15.6871, 15.9813, 20.8005



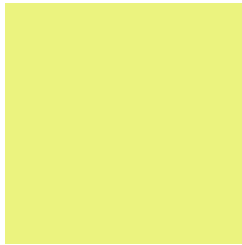
9.0426, 3.6360, 46.7632



0.8310, 0.3383, 4.1117

Previews

White Background



This preview shows how the XYZ color 70.1423, 83.2957, 32.4595 looks on a white background.

Color Contrast Check

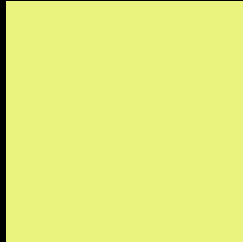
Large Text (above 18pt) WCAG AA × Fail

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 70.1423, 83.2957, 32.4595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

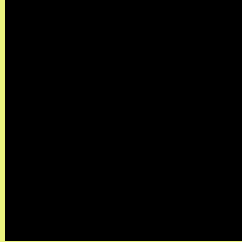
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.1423, 83.2957, 32.4595

Background



This preview shows how black text looks on a background with the XYZ color 70.1423, 83.2957, 32.4595.

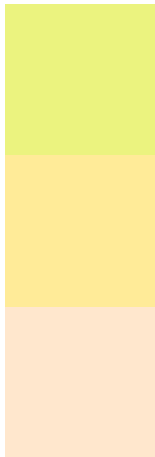


This preview shows how white text looks on a background with the XYZ color 70.1423, 83.2957,

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

70.1423, 83.2957, 32.4595

Protanopia

76.6158, 82.9437, 41.6774

Deuteranopia

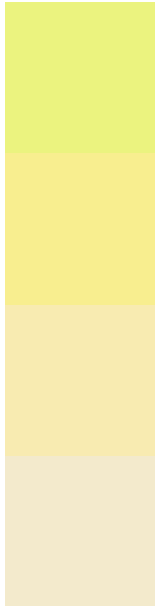
80.8354, 82.8196, 69.4829



Tritanopia

83.6740, 82.7724, 100.3735

Trichromacy



Original Color

70.1423, 83.2957, 32.4595

Protanomaly

74.2439, 83.0887, 38.1113

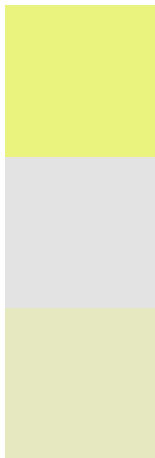
Deuteranomaly

76.3555, 82.5474, 53.5039

Tritanomaly

77.2841, 82.2600, 68.9312

Monochromacy



Original Color

70.1423, 83.2957, 32.4595

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.1760, 78.8624, 60.7608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.1423, 83.2957, 32.4595 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, 243, 127)` looks like.

```
.text, #text, p{  
    color:rgb(235, 243, 127)  
}
```

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, 243, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 243, 127) }
```

Border

The CSS property to change the border of an element to XYZ 70.1423, 83.2957, 32.4595 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, 243, 127) }
```


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

```
.border{ border-color:rgb(235, 243, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 243, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 243, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 243, 127);  
box-shadow:4px 4px 4px 4px rgb(235, 243,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 70.1423, 83.2957, 32.4595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 243, 127) }
```

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

```
.background{ background-color: rgb(235,  
243, 127) }
```

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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