

Converting Colors

XYZ(76.3052, 84.8892, 33.6607)

Have a look what the booklet for
XYZ(76.3052, 84.8892, 33.6607)
contains.

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Color

**XYZ(76.2032, 84.6317,
33.7919)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEF83
RGB	255, 239, 131
RGB Percent	100%, 94%, 51%
CMY	0.0000, 0.0627, 0.4863
CMYK	0.00, 0.06, 0.49, 0.00
HSL	52°, 100%, 76%
HSV	52°, 49%, 100%
XYZ	76.2032, 84.6317, 33.7919
YIQ	231.4720, 44.2040, -30.1960

Conversions

Conversions Part 2

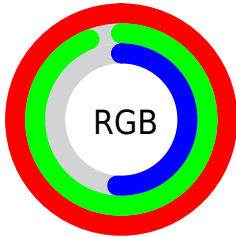
Format	Color
R _Y B	149, 255, 131
Decimal	16772995
CIE Lab	93.72, -8.45, 53.77
CIE LCh	94, 54.431, 98.935
Yxy	84.6317, 0.3915, 0.4348
Android (android.graphics.Color)	4294963075 (0xFFFFEF83)
YUV	231.4720, -49.5327, 20.6341
Hunter-Lab	91.9955, -13.1341, 42.6184

Details

The XYZ color **76.2032, 84.6317, 33.7919** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.8435, 32.9116, 98.9654**, and the grayscale version is **76.6441, 80.6355, 87.8121**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **41.0736, 46.1528, 13.9513** is the 20% darker color. If you saturate the color by 10%, you get **73.7298, 82.1187, 25.4651**, and if you desaturate by 10%, it is **79.1235, 87.3577, 44.3677**.

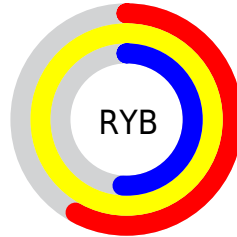
Distribution



Red (100%)

Green (94%)

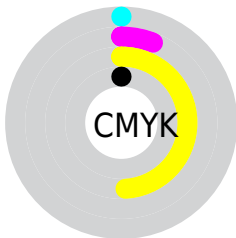
Blue (51%)



Red (58%)

Yellow (100%)

Blue (51%)

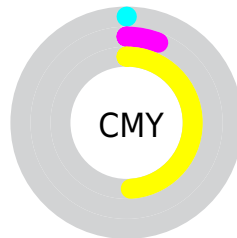


Cyan (0%)

Magenta (6%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (6%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.2032, 84.6317, 33.7919 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 76.2032, 84.6317, 33.7919 by changing the saturation by 10% instead.


 76.2032, 84.6317,
33.7919

 76.2032, 84.6317,
33.7919


470.9767,
510.4086, 333.9439


 56.8968, 63.5371,
22.4577


 126.9929,
139.8585, 66.7401

 41.1622, 46.2759,
13.9921


 159.2069,
174.7595, 89.1912

 28.6341, 32.4636,
7.9765


 196.4542,
215.0314, 116.1851

 18.9471, 21.7158,
3.9923

239.1001,
261.0586, 148.1401

 11.7358, 13.6482,
1.6211

287.5099,
313.2256, 185.4750

 6.6350, 7.8764,
0.3058

342.0491,

 3.2792, 4.0160,

371.9166, 228.6083

0.0000

403.0829,
437.5161, 277.9584

■ 1.3031, 1.6825,
0.0000

■ 0.1855, 0.4123,
0.0000

■ 76.2032, 84.6317,
33.7919

■ 76.2032, 84.6317,
33.7919

■ 73.7298, 82.1187,
25.4651

■ 79.1235, 87.3577,
44.3677

■ 71.6654, 79.7941,
19.2146

■ 82.5132, 90.2965,
57.3376

■ 69.9756, 77.6471,
14.8516

■ 86.4005, 93.4627,
72.8406

■ 68.6175, 75.6603,
12.1500

■ 90.8097, 96.8661,
91.0037

■ 67.5298, 73.8092, 95.0498, 99.9999,
10.7880 108.9000

■ 67.3904, 73.5610,
10.6468

Harmonies

Analogous

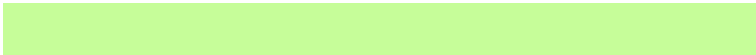
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8412, 84.6317, 36.0702



76.2032, 84.6317, 33.7919



64.2183, 84.6317, 43.0923

Triad

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



76.2032, 84.6317, 33.7919



60.7125, 84.6317, 151.7180



109.2400, 84.6317, 123.7976

Complementary

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



76.2032, 84.6317, 33.7919



37.8435, 32.9116, 98.9654

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.



99.1862, 84.6317, 168.9015



76.2032, 84.6317, 33.7919



70.8645, 84.6317, 188.0865

Square

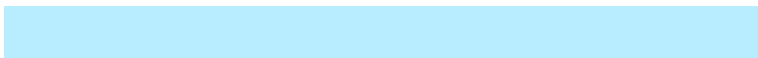
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2032, 84.6317, 33.7919



56.0048, 84.6317, 105.0628



84.8308, 84.6317, 195.1741



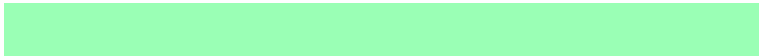
111.1136, 84.6317, 80.3403

Rectangle

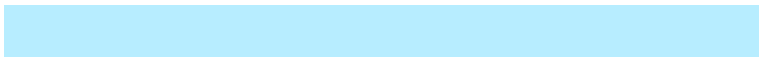
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2032, 84.6317, 33.7919



58.9182, 84.6317, 56.8976



84.8308, 84.6317, 195.1741



106.6521, 84.6317, 139.5891

Sweetspot

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



76.2052, 84.6356, 33.7936



87.9382, 94.6694, 79.1135



54.6651, 39.6167, 32.5904



18.6293, 20.1122, 16.1438



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

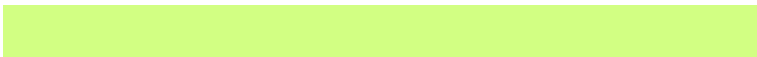
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2052, 84.6356, 33.7936



73.8727, 82.2709, 25.9239



66.3027, 86.7918, 34.7318



19.3496, 20.6674, 19.1137



35.2912, 38.5937, 5.5893



3.4895, 3.8644, 0.5620

Inverse Universe

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



37.8435, 32.9116, 98.9654



31.6088, 25.3187, 97.8288



44.1772, 32.7382, 98.5981



17.1918, 17.7552, 22.7709



9.7721, 4.4537, 49.7792



1.0076, 0.5458, 4.8655

Previews

White Background



This preview shows how the XYZ color 76.2032, 84.6317, 33.7919 looks on a white background.

Color Contrast Check

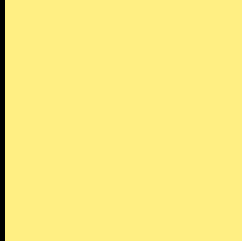
Large Text (above 18pt) WCAG AA × Fail

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 76.2032, 84.6317, 33.7919 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 76.2032, 84.6317, 33.7919

Background



This preview shows how black text looks on a background with the XYZ color 76.2032, 84.6317, 33.7919.

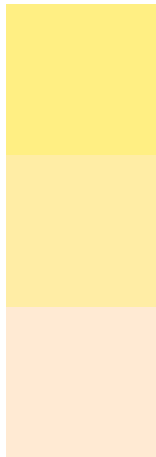


This preview shows how white text looks on a background with the XYZ color 76.2032, 84.6317,

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

76.2032, 84.6317, 33.7919

Protanopia

78.3157, 84.5450, 47.7884

Deuteranopia

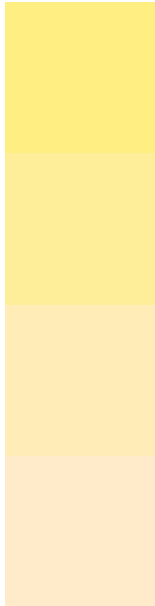
82.4207, 84.8088, 73.6537



Tritanopia

85.6931, 84.7627, 95.0634

Trichromacy



Original Color

76.2032, 84.6317, 33.7919

Protanomaly

77.5643, 84.7090, 42.3994

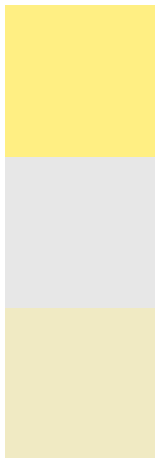
Deuteranomaly

79.6790, 84.6283, 56.3913

Tritanomaly

81.2054, 84.3227, 67.2543

Monochromacy



Original Color

76.2032, 84.6317, 33.7919

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.2083, 81.3110, 63.3605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2032, 84.6317, 33.7919 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(255, 239, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 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(255, 239, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 131) }
```

Border

The CSS property to change the border of an element to XYZ 76.2032, 84.6317, 33.7919 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(255, 239, 131) }
```


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

```
.border{ border-color:rgb(255, 239, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2032, 84.6317, 33.7919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 131) }
```

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

```
.background{ background-color: rgb(255,  
239, 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](#).

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