

Converting Colors

XYZ(79.6512, 85.6163, 36.6683)

Have a look what the booklet for
XYZ(79.6512, 85.6163, 36.6683)
contains.

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Color

**XYZ(76.1844, 83.6925,
36.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED8B
RGB	255, 237, 139
RGB Percent	100%, 93%, 55%
CMY	0.0000, 0.0706, 0.4549
CMYK	0.00, 0.07, 0.45, 0.00
HSL	51°, 100%, 77%
HSV	51°, 45%, 100%
XYZ	76.1844, 83.6925, 36.5650
YIQ	231.2100, 42.1860, -26.6620

Conversions

Conversions Part 2

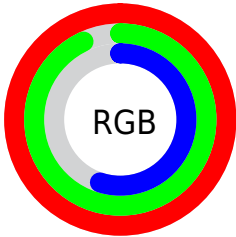
Format	Color
RYB	160, 255, 139
Decimal	16772491
CIELab	93.32, -6.74, 49.46
CIELCh	93, 49.918, 97.755
Yxy	83.6925, 0.3878, 0.4260
Android (android.graphics.Color)	4294962571 (0xFFFFE88B)
YUV	231.2100, -45.4595, 20.8638
Hunter-Lab	91.4836, -11.4476, 40.3410

Details

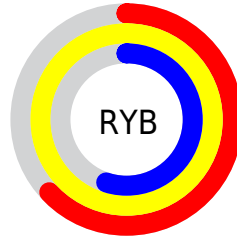
The XYZ color **76.1844, 83.6925, 36.5650** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.7541, 36.8217, 99.5668**, and the grayscale version is **76.4199, 80.3997, 87.5553**.

A 20% lighter version of the original color is **86.7376, 96.6750, 65.1275**, and **40.9685, 45.4554, 15.4186** is the 20% darker color. If you saturate the color by 10%, you get **73.4024, 80.7704, 27.4931**, and if you desaturate by 10%, it is **79.4303, 86.8467, 47.9371**.

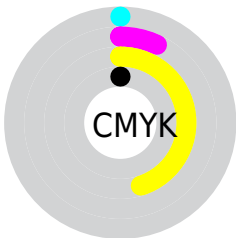
Distribution



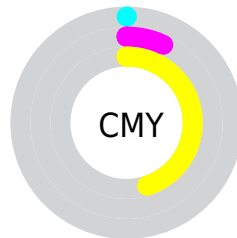
- Red (100%)
- Green (93%)
- Blue (55%)



- Red (63%)
- Yellow (100%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (45%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1844, 83.6925, 36.5650 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 76.1844, 83.6925, 36.5650 by changing the saturation by 10% instead.

 76.1844, 83.6925,
36.5650


 76.1844, 83.6925,
36.5650


470.9134,
507.2916, 346.5352


 56.8813, 62.7616,
24.5777


 126.9665,
138.5449, 71.0821

 41.1497, 45.6484,
15.5466


 159.1762,
173.2353, 94.4490

 28.6243, 31.9684,
9.0530


 196.4189,
213.2809, 122.4461

 18.9396, 21.3374,
4.6785

239.0598,
259.0661, 155.4921

 11.7304, 13.3708,
2.0045

287.4644,
310.9754, 194.0055

 6.6313, 7.6844,
0.5580

341.9979,

 3.2769, 3.8937,

369.3931, 238.4048

0.0000

403.0258,
434.7037, 289.1085

■ 1.3018, 1.6143,
0.0000

■ 0.1846, 0.3672,
0.0000

■ 76.1844, 83.6925,
36.5650

■ 76.1844, 83.6925,
36.5650

■ 73.4024, 80.7704,
27.4931

■ 79.4303, 86.8467,
47.9371

■ 71.0473, 78.0562,
20.5549

■ 83.1620, 90.2328,
61.7503

■ 69.0864, 75.5397,
15.5695

■ 87.4068, 93.8651,
78.1401

■ 67.4792, 73.2041,
12.3238

■ 92.1887, 97.7533,
97.2306

■ 66.1753, 71.0294,
10.5543

95.0499, 99.9999,
108.9000

■ 65.6539, 70.0879,
10.0680

Harmonies

Analogous

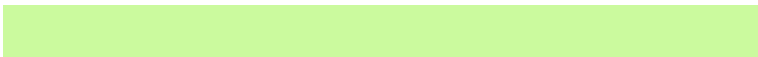
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5070, 83.6925, 39.1971



76.1844, 83.6925, 36.5650



65.0502, 83.6925, 45.0319

Triad

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



76.1844, 83.6925, 36.5650



61.1863, 83.6925, 143.0363



105.3164, 83.6925, 121.3770

Complementary

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



76.1844, 83.6925, 36.5650



40.7541, 36.8217, 99.5668

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.



96.0524, 83.6925, 161.1960



76.1844, 83.6925, 36.5650



70.3551, 83.6925, 175.9122

Square

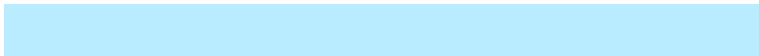
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1844, 83.6925, 36.5650



57.0345, 83.6925, 101.2500



83.0076, 83.6925, 183.3425



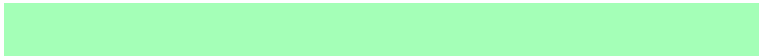
107.3189, 83.6925, 81.7021

Rectangle

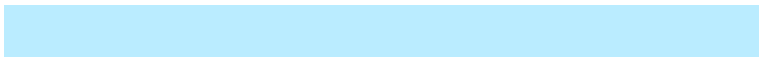
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.1844, 83.6925, 36.5650



60.0235, 83.6925, 57.6979



83.0076, 83.6925, 183.3425



102.9026, 83.6925, 135.4735

Sweetspot

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



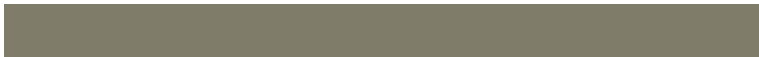
76.1864, 83.6964, 36.5667



88.0845, 94.4278, 80.8089



56.6734, 42.2062, 37.6590



18.6444, 20.0374, 16.4729



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

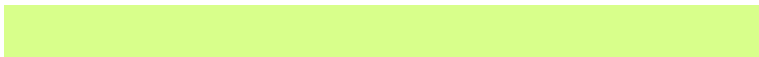
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1864, 83.6964, 36.5667



73.5285, 80.9087, 27.8859



68.8380, 88.0338, 37.7912



19.3071, 20.5824, 19.0995



34.3960, 36.8032, 5.2909



3.4109, 3.7071, 0.5358

Inverse Universe

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



40.7541, 36.8217, 99.5668



33.9629, 28.5988, 98.3378



45.5671, 35.1118, 98.9831



17.2305, 17.8325, 22.7838



9.8874, 4.6843, 49.8176



1.0256, 0.5820, 4.8715

Previews

White Background



This preview shows how the XYZ color 76.1844, 83.6925, 36.5650 looks on a white background.

Color Contrast Check

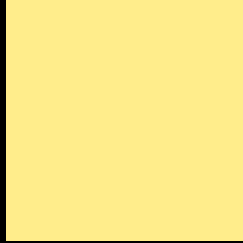
Large Text (above 18pt) WCAG AA × Fail

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 76.1844, 83.6925, 36.5650 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 76.1844, 83.6925, 36.5650

Background



This preview shows how black text looks on a background with the XYZ color 76.1844, 83.6925, 36.5650.

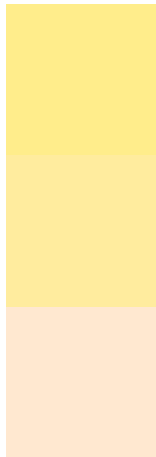


This preview shows how white text looks on a background with the XYZ color 76.1844, 83.6925,

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

76.1844, 83.6925, 36.5650

Protanopia

77.4070, 83.7195, 44.4275

Deuteranopia

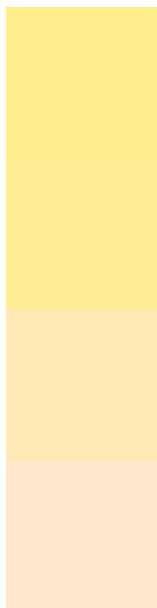
81.4818, 83.5273, 71.5023



Tritanopia

84.9875, 83.5899, 94.0932

Trichromacy



Original Color

76.1844, 83.6925, 36.5650

Protanomaly

76.8214, 83.4853, 41.3435

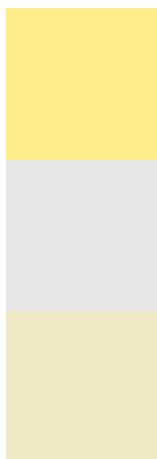
Deuteranomaly

79.2101, 83.5245, 56.7468

Tritanomaly

80.8761, 83.2850, 68.3129

Monochromacy



Original Color

76.1844, 83.6925, 36.5650

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.2671, 80.8803, 65.0705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1844, 83.6925, 36.5650 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, 237, 139)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 139)  
}
```

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, 237, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 139) }
```

Border

The CSS property to change the border of an element to XYZ 76.1844, 83.6925, 36.5650 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, 237, 139) }
```


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

```
.border{ border-color:rgb(255, 237, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 139);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1844, 83.6925, 36.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 139) }
```

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

```
.background{ background-color: rgb(255,  
237, 139) }
```

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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