

Converting Colors

XYZ(86.5357, 88.3444, 34.5734)

Have a look what the booklet for
XYZ(86.5357, 88.3444, 34.5734)
contains.

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Color

**XYZ(75.1820, 82.3701,
34.1268)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE885
RGB	255, 235, 133
RGB Percent	100%, 92%, 52%
CMY	0.0000, 0.0784, 0.4784
CMYK	0.00, 0.08, 0.48, 0.00
HSL	50°, 100%, 76%
HSV	50°, 48%, 100%
XYZ	75.1820, 82.3701, 34.1268
YIQ	229.3520, 44.6620, -27.4820

Conversions

Conversions Part 2

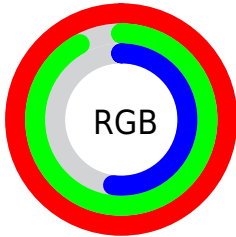
Format	Color
RYB	157, 255, 133
Decimal	16771973
CIELab	92.74, -6.29, 51.62
CIELCh	93, 52.006, 96.943
Yxy	82.3701, 0.3922, 0.4297
Android (android.graphics.Color)	4294962053 (0xFFFFE885)
YUV	229.3520, -47.5015, 22.4933
Hunter-Lab	90.7580, -10.9608, 41.2364

Details

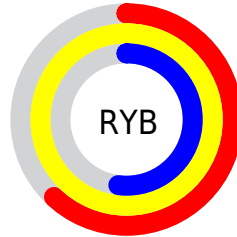
The XYZ color **75.1820, 82.3701, 34.1268** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.1139, 34.9880, 99.2994**, and the grayscale version is **75.0533, 78.9619, 85.9895**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **40.3330, 44.5551, 14.0636** is the 20% darker color. If you saturate the color by 10%, you get **72.4480, 79.3875, 25.5539**, and if you desaturate by 10%, it is **78.3757, 85.5877, 44.9644**.

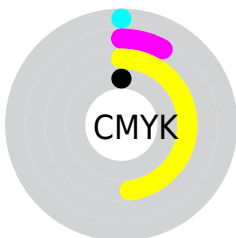
Distribution



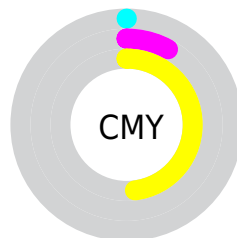
- Red (100%)
- Green (92%)
- Blue (52%)



- Red (62%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (8%)
- Yellow (48%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 75.1820, 82.3701, 34.1268 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 75.1820, 82.3701, 34.1268 by changing the saturation by 10% instead.


 75.1820, 82.3701,
34.1268

 75.1820, 82.3701,
34.1268


467.5304,
502.8848, 335.4835


 56.0567, 61.6706,
22.7129


 125.5565,
136.6929, 67.2670

 40.4856, 44.7666,
14.1783


 157.5364,
171.0850, 89.8303

 28.1032, 31.2736,
8.1046

 194.5319,
210.8101, 116.9471

 18.5443, 20.8073,
4.0732

236.9083,
256.2527, 149.0361

 11.4435, 12.9832,
1.6656

285.0310,
307.7970, 186.5156

 6.4355, 7.4170,
0.3370

339.2654,

 3.1548, 3.7242,

365.8276, 229.8044

0.0000

399.9767,
430.7287, 279.3208

■ 1.2361, 1.5205,
0.0000

■ 0.1346, 0.3031,
0.0000

■ 75.1820, 82.3701,
34.1268

■ 75.1820, 82.3701,
34.1268

■ 72.4480, 79.3875,
25.5539

■ 78.3757, 85.5877,
44.9644

■ 70.1361, 76.6153,
19.0749

■ 82.0518, 89.0404,
58.2109

■ 68.2123, 74.0428,
14.5027

■ 86.2382, 92.7429,
74.0045

■ 66.6341, 71.6525,
11.6149

■ 90.9591, 96.7050,
92.4713

■ 65.3449, 69.4216, 95.0499, 100.0000,
10.1137 108.9000

■ 65.0870, 68.9540,
9.8790

Harmonies

Analogous

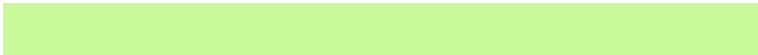
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9468, 82.3701, 37.0498



75.1820, 82.3701, 34.1268



63.6485, 82.3701, 42.2830

Triad

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



75.1820, 82.3701, 34.1268



59.2542, 82.3701, 142.4395



104.8007, 82.3701, 122.2084

Complementary

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



75.1820, 82.3701, 34.1268



39.1139, 34.9880, 99.2994

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.



95.0212, 82.3701, 163.5409



75.1820, 82.3701, 34.1268



68.5209, 82.3701, 177.3804

Square

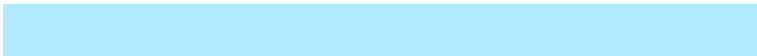
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1820, 82.3701, 34.1268



55.1654, 82.3701, 99.0154



81.4831, 82.3701, 186.0495



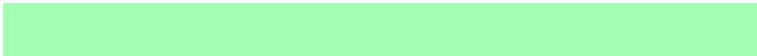
107.1140, 82.3701, 80.9638

Rectangle

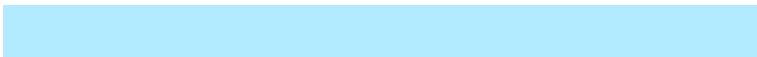
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1820, 82.3701, 34.1268



58.4163, 82.3701, 54.8247



81.4831, 82.3701, 186.0495



102.2269, 82.3701, 136.8696

Sweetspot

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



75.1840, 82.3739, 34.1285



87.9876, 94.2340, 80.7766



55.4054, 40.3468, 35.1501



18.6206, 19.9897, 16.4650



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

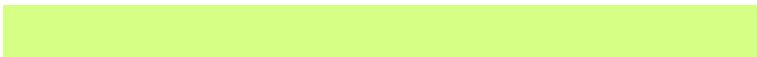
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1840, 82.3739, 34.1285



72.6617, 79.6306, 26.1927



67.8230, 87.5599, 35.5175



19.2929, 20.5540, 19.0948



34.1035, 36.2183, 5.1934



3.3851, 3.6555, 0.5272

Inverse Universe

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



39.1139, 34.9880, 99.2994



32.8890, 27.4168, 98.1663



43.8197, 32.9565, 98.6593



17.2434, 17.8585, 22.7882



9.9305, 4.7706, 49.8320



1.0317, 0.5942, 4.8736

Previews

White Background



This preview shows how the XYZ color 75.1820, 82.3701, 34.1268 looks on a white background.

Color Contrast Check

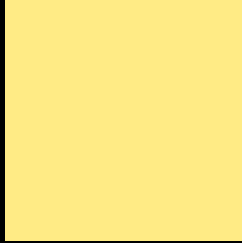
Large Text (above 18pt) WCAG AA × Fail

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 75.1820, 82.3701, 34.1268 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 75.1820, 82.3701, 34.1268

Background



This preview shows how black text looks on a background with the XYZ color 75.1820, 82.3701, 34.1268.



This preview shows how white text looks on a background with the XYZ color 75.1820, 82.3701,

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

75.1820, 82.3701, 34.1268

Protanopia

75.8511, 82.1810, 39.0589

Deuteranopia

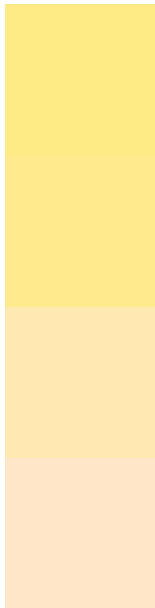
80.3163, 82.1654, 68.1263



Tritanopia

84.1417, 82.3712, 92.3534

Trichromacy



Original Color

75.1820, 82.3701, 34.1268

Protanomaly

75.4705, 82.0287, 37.0547

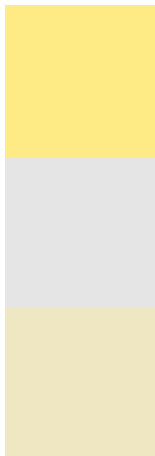
Deuteranomaly

78.1325, 82.1876, 53.8652

Tritanomaly

79.9621, 82.0238, 66.2613

Monochromacy



Original Color

75.1820, 82.3701, 34.1268

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.5734, 79.2240, 62.4530

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1820, 82.3701, 34.1268 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, 235, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 133)  
}
```

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, 235, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 133) }
```

Border

The CSS property to change the border of an element to XYZ 75.1820, 82.3701, 34.1268 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, 235, 133) }
```


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

```
.border{ border-color:rgb(255, 235, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 235, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 235, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 235, 133); box-shadow:4px 4px 4px 4px rgb(255, 235, 133) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1820, 82.3701, 34.1268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 133) }
```

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

```
.background{ background-color: rgb(255,  
235, 133) }
```

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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