

Converting Colors

XYZ(75.7860, 84.2502, 46.9563)

Have a look what the booklet for
XYZ(75.7860, 84.2502, 46.9563)
contains.

XYZ(75.8351, 84.1515, 46.8963)	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(75.8351, 84.1515,
46.8963)**

Conversions

Conversions Part 1

Format	Color
Hex	F7EFA3
RGB	247, 239, 163
RGB Percent	97%, 94%, 64%
CMY	0.0314, 0.0627, 0.3608
CMYK	0.00, 0.03, 0.34, 0.03
HSL	54°, 84%, 80%
HSV	54°, 34%, 97%
XYZ	75.8351, 84.1515, 46.8963
YIQ	232.7280, 29.1640, -21.9400

Conversions

Conversions Part 2

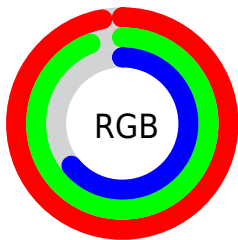
Format	Color
RYB	172, 247, 163
Decimal	16248739
CIELab	93.52, -8.31, 37.78
CIElCh	94, 38.684, 102.399
Yxy	84.1515, 0.3666, 0.4068
Android (android.graphics.Color)	4294438819 (0xFFFF7EFA3)
YUV	232.7280, -34.3759, 12.5165
Hunter-Lab	91.7341, -12.9717, 33.9037

Details

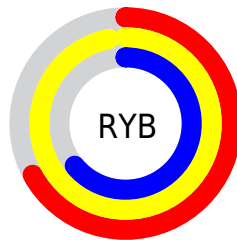
The XYZ color **75.8351, 84.1515, 46.8963** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.4554, 43.6265, 93.9679**, and the grayscale version is **77.4843, 81.5195, 88.7748**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **40.9832, 45.9399, 21.4591** is the 20% darker color. If you saturate the color by 10%, you get **73.1518, 81.9872, 36.1293**, and if you desaturate by 10%, it is **78.9639, 86.5143, 59.9461**.

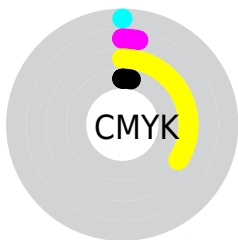
Distribution



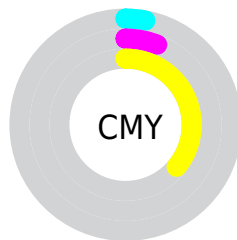
- Red (97%)
- Green (94%)
- Blue (64%)



- Red (67%)
- Yellow (97%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (34%)
- Black (3%)





- Cyan (3%)
- Magenta (6%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8351, 84.1515, 46.8963 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 75.8351, 84.1515, 46.8963 by changing the saturation by 10% instead.


 75.8351, 84.1515,
46.8963


 75.8351, 84.1515,
46.8963


469.7361,
508.8162, 390.7822

 56.5939, 63.1405,
32.5999


 126.4754,
139.1871, 86.9072

 40.9181, 45.9549,
21.5515


 158.6052,
173.9805, 113.4587

 28.4425, 32.2102,
13.3326


195.7618,
214.1368, 144.9325

 18.8017, 21.5221,
7.5246

238.3108,
260.0405, 181.7469

 11.6302, 13.5062,
3.7089

286.6173,
312.0758, 224.3205

 6.5628, 7.7780,
1.4670

341.0468,

 3.2341, 3.9532,

370.6273, 273.0719

0.1932

401.9646,
436.0793, 328.4197

■ 1.2787, 1.6474,
0.0000

■ 0.1672, 0.3893,
0.0000

■ 75.8351, 84.1515,
46.8963

■ 75.8351, 84.1515,
46.8963

■ 73.1518, 81.9872,
36.1293

■ 78.9639, 86.5143,
59.9461

■ 70.8822, 79.9996,
27.5068

■ 82.5550, 89.0734,
75.3957

■ 69.0007, 78.1815,
20.8836

■ 86.6322, 91.8414,
93.3604

■ 67.4757, 76.5202,
16.0943

■ 90.1009, 94.3805,
108.0762

66.2708, 75.0010,
12.9472

90.8298, 95.8381,
108.3191

65.3416, 73.6061,
11.2081

91.5677, 97.3140,
108.5651

64.8777, 72.8141,
10.6351

92.1678, 98.5141,
108.7651

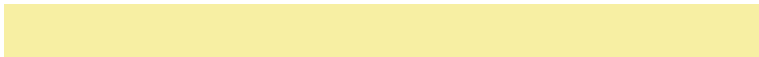
Harmonies

Analogous

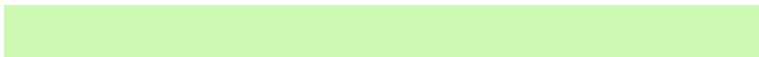
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0780, 84.1515, 47.7478



75.8351, 84.1515, 46.8963



67.4435, 84.1515, 56.0142

Triad

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



75.8351, 84.1515, 46.8963



66.3235, 84.1515, 135.0871



100.2289, 84.1515, 109.7322

Complementary

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



75.8351, 84.1515, 46.8963



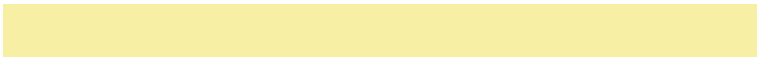
46.4554, 43.6265, 93.9679

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.



93.9887, 84.1515, 139.8227



75.8351, 84.1515, 46.8963



74.1836, 84.1515, 156.4707

Square

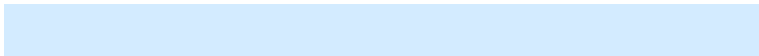
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8351, 84.1515, 46.8963



62.2745, 84.1515, 104.2586



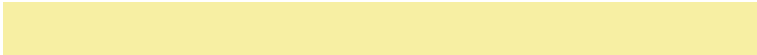
84.2804, 84.1515, 158.3682



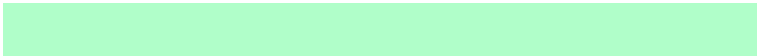
100.7667, 84.1515, 80.0587

Rectangle

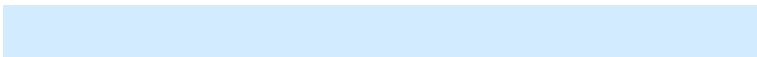
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8351, 84.1515, 46.8963



63.7924, 84.1515, 67.9335



84.2804, 84.1515, 158.3682



98.7056, 84.1515, 120.2730

Sweetspot

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



75.8372, 84.1553, 46.8981



90.4435, 96.9266, 88.4371



58.8445, 48.9251, 45.0714



19.2293, 20.6578, 18.3615



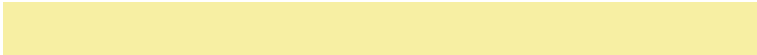
0.0000, 0.0000, 0.0000



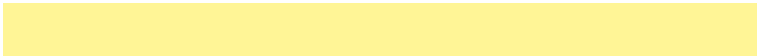
20.3446, 21.4041, 23.3091

Same Dimension

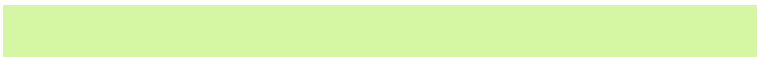
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8372, 84.1553, 46.8981



79.4490, 88.8120, 41.9995



67.4289, 83.3721, 47.1901



17.7720, 19.0281, 17.5337



34.3693, 38.6241, 5.6437



3.0592, 3.4716, 0.5089

Inverse Universe

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



46.4554, 43.6265, 93.9679



43.3508, 39.0271, 99.8559



52.8079, 44.7273, 93.8456



15.7080, 16.1802, 20.8378



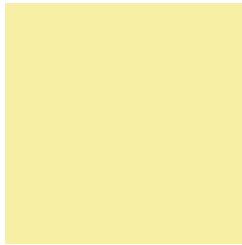
9.0906, 3.9750, 46.8261



0.8409, 0.4333, 4.1296

Previews

White Background



This preview shows how the XYZ color 75.8351, 84.1515, 46.8963 looks on a white background.

Color Contrast Check

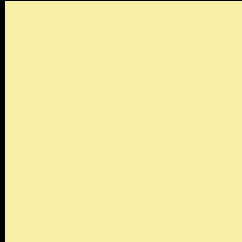
Large Text (above 18pt) WCAG AA × Fail

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 75.8351, 84.1515, 46.8963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

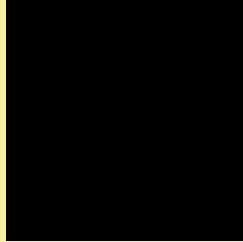
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.8351, 84.1515, 46.8963

Background



This preview shows how black text looks on a background with the XYZ color 75.8351, 84.1515, 46.8963.



This preview shows how white text looks on a background with the XYZ color 75.8351, 84.1515,

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

75.8351, 84.1515, 46.8963

Protanopia

78.0270, 83.9675, 47.6922

Deuteranopia

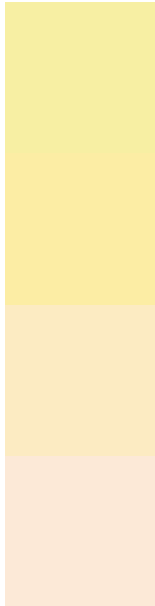
82.2626, 84.2913, 74.2215



Tritanopia

85.7407, 83.8912, 98.0598

Trichromacy



Original Color

75.8351, 84.1515, 46.8963

Protanomaly

77.1299, 83.9442, 47.2596

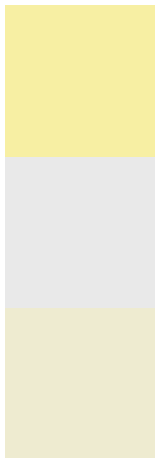
Deuteranomaly

79.5908, 84.0072, 63.0591

Tritanomaly

81.5495, 83.8796, 76.1822

Monochromacy



Original Color

75.8351, 84.1515, 46.8963

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

76.3534, 82.1479, 71.5064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8351, 84.1515, 46.8963 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(247, 239, 163)` looks like.

```
.text, #text, p{  
    color:rgb(247, 239, 163)  
}
```

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(247, 239, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 239, 163) }
```

Border

The CSS property to change the border of an element to XYZ 75.8351, 84.1515, 46.8963 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(247, 239, 163) }
```


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

```
.border{ border-color:rgb(247, 239, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 239, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(247, 239, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(247, 239, 163); box-shadow:4px 4px 4px 4px rgb(247, 239, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8351, 84.1515, 46.8963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 239, 163) }
```

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

```
.background{ background-color: rgb(247,  
239, 163) }
```

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