

Converting Colors

XYZ(114.3172, 100.0000,
48.0254)

Have a look what the booklet for
XYZ(114.3172, 100.0000, 48.0254)
contains.

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Color

**XYZ(76.1477, 80.4980,
46.1746)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE6A3
RGB	255, 230, 163
RGB Percent	100%, 90%, 64%
CMY	0.0000, 0.0980, 0.3608
CMYK	0.00, 0.10, 0.36, 0.00
HSL	44°, 100%, 82%
HSV	44°, 36%, 100%
XYZ	76.1477, 80.4980, 46.1746
YIQ	229.8370, 36.4070, -15.5370

Conversions

Conversions Part 2

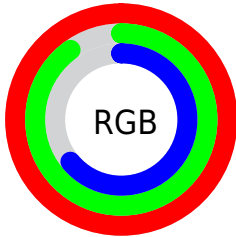
Format	Color
R_{YB}	197, 255, 163
Decimal	16770723
CIE Lab	91.91, -0.74, 35.79
CIE LCh	92, 35.795, 91.180
Yxy	80.4980, 0.3754, 0.3969
Android (android.graphics.Color)	4294960803 (0xFFFFE6A3)
YUV	229.8370, -32.9506, 22.0680
Hunter-Lab	89.7207, -5.5147, 32.2910

Details

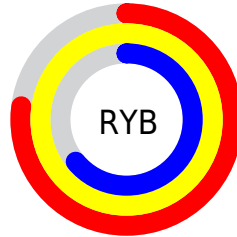
The XYZ color **76.1477, 80.4980, 46.1746** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **51.1370, 50.9714, 101.7510**, and the grayscale version is **75.3121, 79.2342, 86.2861**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **41.1704, 43.6561, 21.0084** is the 20% darker color. If you saturate the color by 10%, you get **72.2002, 75.8981, 34.7007**, and if you desaturate by 10%, it is **80.6365, 85.4428, 60.1034**.

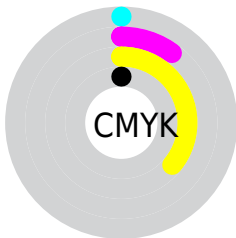
Distribution



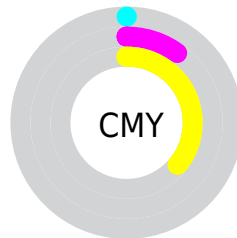
- Red (100%)
- Green (90%)
- Blue (64%)



- Red (77%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (10%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1477, 80.4980, 46.1746 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 76.1477, 80.4980, 46.1746 by changing the saturation by 10% instead.


 76.1477, 80.4980,
46.1746


 76.1477, 80.4980,
46.1746


470.7898,
496.6095, 387.8081

 56.8511, 60.1282,
32.0340


 126.9149,
134.0657, 85.8173

 41.1254, 43.5220,
21.1224


 159.1162,
168.0324, 112.1564

 28.6052, 30.2949,
13.0214


196.3499,
207.3002, 143.3988

 18.9251, 20.0625,
7.3124

238.9811,
252.2535, 179.9629

 11.7199, 12.4405,
3.5768

287.3754,
303.2767, 222.2674

 6.6241, 7.0444,
1.3962

341.8980,

 3.2724, 3.4899,

360.7541, 270.7307

0.1387

402.9144,
425.0703, 325.7714

■ 1.2994, 1.3925,
0.0000

■ 0.1828, 0.2112,
0.0000

■ 76.1477, 80.4980,
46.1746

■ 76.1477, 80.4980,
46.1746

■ 72.2002, 75.8981,
34.7007

■ 80.6365, 85.4428,
60.1034

■ 68.7594, 71.6191,
25.5298

■ 85.6870, 90.7335,
76.6170

■ 65.7954, 67.6507,
18.5007

■ 91.3258, 96.3847,
95.8417

■ 63.2724, 63.9769,
13.4292

95.0500, 100.0000,
108.9000

■ 61.1486, 60.5797,
10.0997

■ 59.3722, 57.4368,
8.2444

■ 58.7406, 56.2612,
7.7635

Harmonies

Analogous

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



85.3461, 80.4980, 50.3763



76.1477, 80.4980, 46.1746



67.7250, 80.4980, 51.1000

Triad

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



76.1477, 80.4980, 46.1746



62.3713, 80.4980, 116.5364



93.0546, 80.4980, 114.3679

Complementary

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



76.1477, 80.4980, 46.1746



51.1370, 50.9714, 101.7510

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.



86.0257, 80.4980, 138.4462



76.1477, 80.4980, 46.1746



68.3075, 80.4980, 139.8642

Square

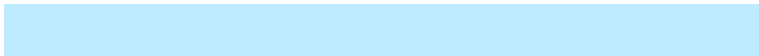
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1477, 80.4980, 46.1746



60.1740, 80.4980, 88.6947



76.8753, 80.4980, 148.5814



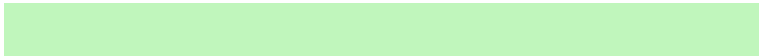
95.5656, 80.4980, 86.6108

Rectangle

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



76.1477, 80.4980, 46.1746



63.5568, 80.4980, 59.6061



76.8753, 80.4980, 148.5814



91.1156, 80.4980, 123.3411

Sweetspot

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



76.1497, 80.5017, 46.1763



88.4752, 93.5572, 86.0321



63.5303, 51.1323, 54.7041



18.7748, 19.8617, 17.8614



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

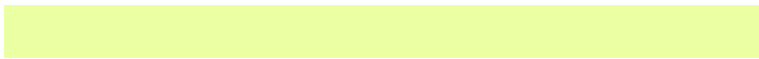
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1497, 80.5017, 46.1763



73.3601, 77.2797, 37.9798



76.6542, 91.8380, 48.3378



19.1194, 20.2069, 19.0370



30.8238, 29.6588, 4.1001



3.0920, 3.0694, 0.4295

Inverse Universe

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



51.1370, 50.9714, 101.7510



45.1459, 43.9857, 100.7184



50.6606, 43.4745, 100.3291



17.4045, 18.1806, 22.8418



10.6576, 6.2248, 50.0744



1.1237, 0.7782, 4.9043

Previews

White Background



This preview shows how the XYZ color 76.1477, 80.4980, 46.1746 looks on a white background.

Color Contrast Check

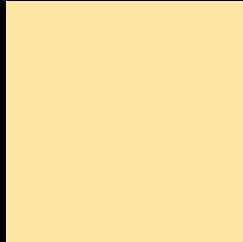
Large Text (above 18pt) WCAG AA × Fail

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 76.1477, 80.4980, 46.1746 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 76.1477, 80.4980, 46.1746

Background



This preview shows how black text looks on a background with the XYZ color 76.1477, 80.4980, 46.1746.



This preview shows how white text looks on a background with the XYZ color 76.1477, 80.4980,

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

76.1477, 80.4980, 46.1746

Protanopia

74.9818, 80.7176, 46.7500

Deuteranopia

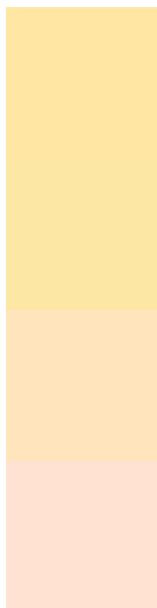
79.3698, 80.4624, 67.2247



Tritanopia

83.0360, 80.6274, 90.5431

Trichromacy



Original Color

76.1477, 80.4980, 46.1746

Protanomaly

75.4216, 80.5276, 46.6902

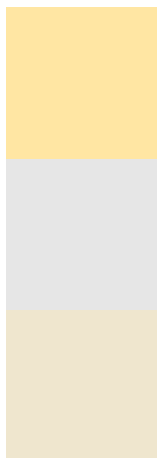
Deuteranomaly

78.0605, 80.3776, 58.9772

Tritanomaly

79.9450, 80.2562, 71.5990

Monochromacy



Original Color

76.1477, 80.4980, 46.1746

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.0340, 79.4006, 69.7636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1477, 80.4980, 46.1746 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, 230, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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(255, 230, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 163) }
```

Border

The CSS property to change the border of an element to XYZ 76.1477, 80.4980, 46.1746 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, 230, 163) }
```


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

```
.border{ border-color:rgb(255, 230, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 230, 163); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 230, 163); box-shadow:4px 4px 4px 4px rgb(255, 230, 163) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1477, 80.4980, 46.1746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 163) }
```

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

```
.background{ background-color: rgb(255,  
230, 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](#).

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