

Converting Colors

XYZ(114.5648, 100.0000,
49.5264)

Have a look what the booklet for
XYZ(114.5648, 100.0000, 49.5264)
contains.

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Color

**XYZ(76.1422, 80.0518,
47.5148)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE5A6
RGB	255, 229, 166
RGB Percent	100%, 90%, 65%
CMY	0.0000, 0.1019, 0.3490
CMYK	0.00, 0.10, 0.35, 0.00
HSL	42°, 100%, 83%
HSV	42°, 35%, 100%
XYZ	76.1422, 80.0518, 47.5148
YIQ	229.5920, 35.7190, -14.0810

Conversions

Conversions Part 2

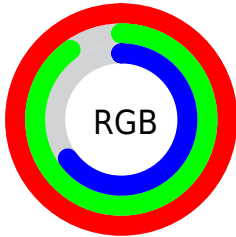
Format	Color
R_{YB}	203, 255, 166
Decimal	16770470
CIE _{Lab}	91.71, 0.11, 34.00
CIE _{LCh}	92, 34.004, 89.810
Yxy	80.0518, 0.3738, 0.3930
Android (android.graphics.Color)	4294960550 (0xFFFFE5A6)
YUV	229.5920, -31.3509, 22.2828
Hunter-Lab	89.4717, -4.6683, 31.1436

Details

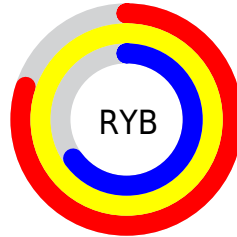
The XYZ color **76.1422, 80.0518, 47.5148** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **52.6250, 53.0245, 102.0688**, and the grayscale version is **75.1198, 79.0318, 86.0657**.

A 20% lighter version of the original color is **90.1848, 98.0539, 83.2803**, and **41.1426, 43.3347, 21.8188** is the 20% darker color. If you saturate the color by 10%, you get **72.0150, 75.1768, 35.7205**, and if you desaturate by 10%, it is **80.8257, 85.2966, 61.7844**.

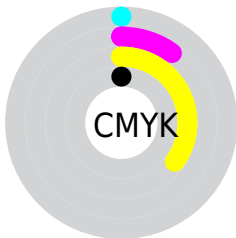
Distribution



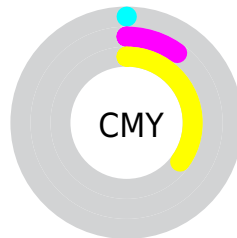
- Red (100%)
- Green (90%)
- Blue (65%)



- Red (80%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (10%)
- Yellow (35%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1422, 80.0518, 47.5148 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 76.1422, 80.0518, 47.5148 by changing the saturation by 10% instead.


 76.1422, 80.0518,
47.5148


 76.1422, 80.0518,
47.5148


470.7712,
495.1074, 393.3188

 56.8466, 59.7610,
33.0856


 126.9072,
133.4386, 87.8396

 41.1217, 43.2260,
21.9203


 159.1073,
167.3033, 114.5722

 28.6023, 30.0625,
13.6006


196.3395,
206.4614, 146.2429

 18.9229, 19.8860,
7.7079


238.9693,
251.2974, 183.2705

 11.7183, 12.3122,
3.8235

287.3621,
302.1956, 226.0733

 6.6230, 6.9567,
1.5290

341.8831,

 3.2717, 3.4350,

359.5404, 275.0699

0.2394

402.8977,
423.7162, 330.6789

■ 1.2990, 1.3628,
0.0000

■ 0.1825, 0.1891,
0.0000

■ 76.1422, 80.0518,
47.5148

■ 76.1422, 80.0518,
47.5148

■ 72.0150, 75.1768,
35.7205

■ 80.8257, 85.2966,
61.7844

■ 68.4093, 70.6472,
26.2510

■ 86.0858, 90.9122,
78.6577

■ 65.2957, 66.4524,
18.9473

■ 91.9490, 96.9141,
98.2604

■ 62.6385, 62.5763,
13.6279

95.0500, 100.0000,
108.9000

■ 60.3967, 59.0006,
10.0815

■ 58.5197, 55.7032,
8.0483

■ 57.6670, 54.1140,
7.4057

Harmonies

Analogous

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



84.8074, 80.0518, 51.9814



76.1422, 80.0518, 47.5148



68.0746, 80.0518, 51.8692

Triad

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



76.1422, 80.0518, 47.5148



62.4830, 80.0518, 113.1980



91.4718, 80.0518, 113.5251

Complementary

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



76.1422, 80.0518, 47.5148



52.6250, 53.0245, 102.0688

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.



84.7043, 80.0518, 135.6574



76.1422, 80.0518, 47.5148



67.9856, 80.0518, 135.4446

Square

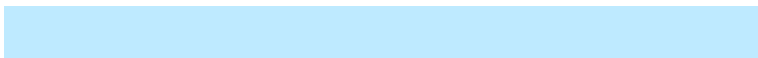
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1422, 80.0518, 47.5148



60.5631, 80.0518, 87.0044



76.0315, 80.0518, 144.3450



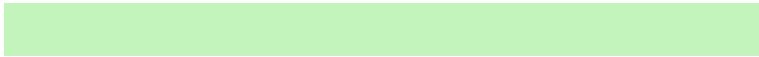
94.0595, 80.0518, 87.3214

Rectangle

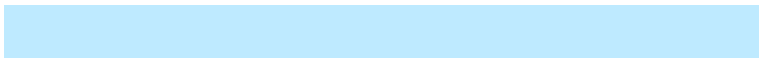
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.1422, 80.0518, 47.5148



64.0167, 80.0518, 59.7719



76.0315, 80.0518, 144.3450



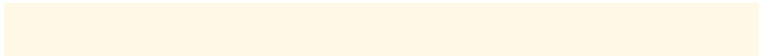
89.5861, 80.0518, 121.8557

Sweetspot

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



76.1442, 80.0555, 47.5165



88.8827, 93.8049, 87.9168



64.4689, 52.3701, 56.9882



18.8497, 19.8985, 18.2350



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.



76.1442, 80.0555, 47.5165



73.1577, 76.5557, 38.8964



77.6351, 92.3122, 49.8037



19.0868, 20.1418, 19.0261



30.2676, 28.5464, 3.9147



3.0415, 2.9684, 0.4127

Inverse Universe

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



52.6250, 53.0245, 102.0688



46.4009, 45.8191, 101.0061



51.4063, 44.6591, 100.5183



17.4352, 18.2420, 22.8521



10.8388, 6.5872, 50.1348



1.1448, 0.8203, 4.9113

Previews

White Background



This preview shows how the XYZ color 76.1422, 80.0518, 47.5148 looks on a white background.

Color Contrast Check

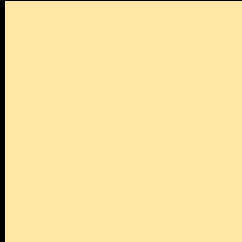
Large Text (above 18pt) WCAG AA × Fail

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 76.1422, 80.0518, 47.5148 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 76.1422, 80.0518, 47.5148

Background



This preview shows how black text looks on a background with the XYZ color 76.1422, 80.0518, 47.5148.

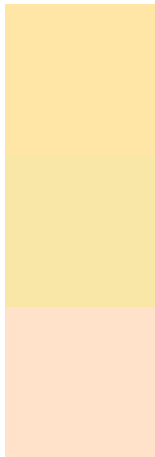


This preview shows how white text looks on a background with the XYZ color 76.1422, 80.0518,

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

76.1422, 80.0518, 47.5148

Protanopia

74.6179, 80.0816, 48.0837

Deuteranopia

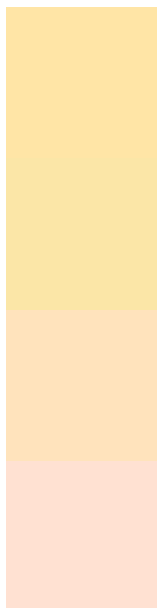
78.9790, 79.8698, 66.5121



Tritanopia

82.6231, 80.0335, 89.6906

Trichromacy



Original Color

76.1422, 80.0518, 47.5148

Protanomaly

75.0555, 79.8929, 48.0242

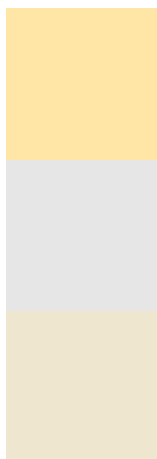
Deuteranomaly

77.7862, 79.8290, 58.8857

Tritanomaly

79.7981, 79.7636, 72.1629

Monochromacy



Original Color

76.1422, 80.0518, 47.5148

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

75.1559, 79.4493, 70.4056

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1422, 80.0518, 47.5148 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, 229, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 166)  
}
```

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, 229, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 166) }
```

Border

The CSS property to change the border of an element to XYZ 76.1422, 80.0518, 47.5148 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, 229, 166) }
```


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

```
.border{ border-color:rgb(255, 229, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1422, 80.0518, 47.5148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 166) }
```

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

```
.background{ background-color: rgb(255,  
229, 166) }
```

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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