

Converting Colors

XYZ(76.1849, 81.9502, 41.9396)

Have a look what the booklet for
XYZ(76.1849, 81.9502, 41.9396)
contains.

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Color

**XYZ(76.1287, 81.8377,
41.9208)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE999
RGB	255, 233, 153
RGB Percent	100%, 91%, 60%
CMY	0.0000, 0.0862, 0.4000
CMYK	0.00, 0.09, 0.40, 0.00
HSL	47°, 100%, 80%
HSV	47°, 40%, 100%
XYZ	76.1287, 81.8377, 41.9208
YIQ	230.4580, 38.7920, -20.2160

Conversions

Conversions Part 2

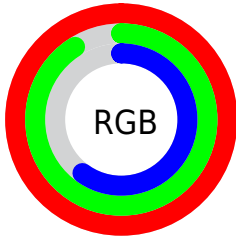
Format	Color
R _Y B	181, 255, 153
Decimal	16771481
CIE Lab	92.50, -3.34, 41.58
CIE LCh	93, 41.712, 94.595
Yxy	81.8377, 0.3809, 0.4094
Android (android.graphics.Color)	4294961561 (0xFFFFE999)
YUV	230.4580, -38.1868, 21.5233
Hunter-Lab	90.4642, -8.0985, 35.8501

Details

The XYZ color **76.1287, 81.8377, 41.9208** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.5165, 44.6509, 100.7745**, and the grayscale version is **75.8090, 79.7570, 86.8554**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **41.2953, 44.6507, 18.7539** is the 20% darker color. If you saturate the color by 10%, you get **72.7118, 78.0219, 31.4782**, and if you desaturate by 10%, it is **80.0482, 85.9381, 54.7531**.

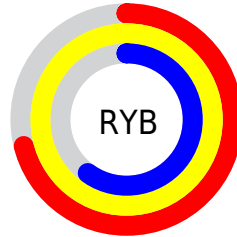
Distribution



Red (100%)

Green (91%)

Blue (60%)



Red (71%)

Yellow (100%)

Blue (60%)

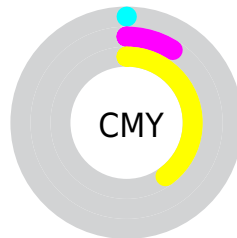


Cyan (0%)

Magenta (9%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.1287, 81.8377, 41.9208 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 76.1287, 81.8377, 41.9208 by changing the saturation by 10% instead.

76.1287, 81.8377,
41.9208

76.1287, 81.8377,
41.9208

470.7258,
501.1046, 369.9445

56.8355, 61.2318,
28.7142

126.8882,
135.9464, 79.3485

41.1128, 44.4122,
18.6210

159.0852,
170.2179, 104.4067

28.5953, 30.9947,
11.2227

196.3141,
209.8134, 134.2525

18.9176, 20.5948,
6.1008

238.9404,
255.1173, 169.3045

11.7144, 12.8282,
2.8367

287.3293,
306.5140, 209.9811

6.6203, 7.3103,
1.0119

341.8463,

3.2700, 3.6569,

364.3879, 256.7010

0.0000

402.8567,
429.1233, 309.8826

■ 1.2981, 1.4836,
0.0000

■ 0.1818, 0.2771,
0.0000

■ 76.1287, 81.8377,
41.9208

■ 76.1287, 81.8377,
41.9208

■ 72.7118, 78.0219,
31.4782

■ 80.0482, 85.9381,
54.7531

■ 69.7622, 74.4669,
23.2677

■ 84.4911, 90.3232,
70.1092

■ 67.2490, 71.1628,
17.1208

■ 89.4842, 95.0074,
88.1190

■ 65.1349, 68.0937,
12.8427

95.0500, 100.0000,
108.9000

■ 63.3754, 65.2413,
10.2010

■ 61.8979, 62.5757,
8.8160

■ 61.8977, 62.5754,
8.8159

Harmonies

Analogous

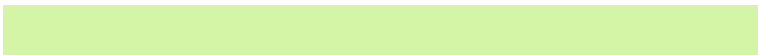
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0588, 81.8377, 45.3824



76.1287, 81.8377, 41.9208



66.5559, 81.8377, 48.4966

Triad

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



76.1287, 81.8377, 41.9208



61.8791, 81.8377, 127.4146



98.1392, 81.8377, 117.2021

Complementary

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



76.1287, 81.8377, 41.9208



46.5165, 44.6509, 100.7745

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.



90.2095, 81.8377, 147.7294



76.1287, 81.8377, 41.9208



69.1930, 81.8377, 154.5202

Square

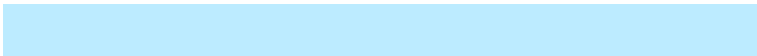
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1287, 81.8377, 41.9208



58.8286, 81.8377, 93.9687



79.4637, 81.8377, 162.7032



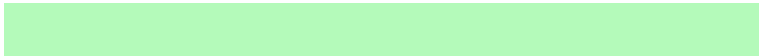
100.4285, 81.8377, 84.4166

Rectangle

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



76.1287, 81.8377, 41.9208



62.0239, 81.8377, 58.8443



79.4637, 81.8377, 162.7032



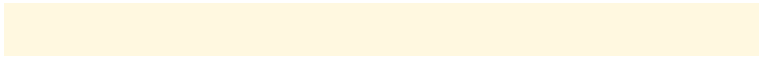
96.0110, 81.8377, 128.2918

Sweetspot

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



76.1307, 81.8415, 41.9225



88.4399, 94.0457, 84.2971



60.3795, 47.1424, 46.5270



18.7865, 19.9967, 17.5217



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

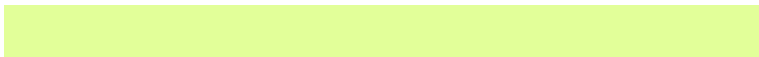
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.1307, 81.8415, 41.9225



73.3568, 78.7639, 33.3823



72.9056, 90.0050, 43.6682



19.2093, 20.3868, 19.0669



32.4569, 32.9251, 4.6445



3.2389, 3.3631, 0.4784

Inverse Universe

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



46.5165, 44.6509, 100.7745



40.0567, 36.9679, 99.6320



48.7098, 39.9364, 99.7489



17.3205, 18.0125, 22.8138



10.2327, 5.3751, 49.9327



1.0720, 0.6746, 4.8870

Previews

White Background



This preview shows how the XYZ color 76.1287, 81.8377, 41.9208 looks on a white background.

Color Contrast Check

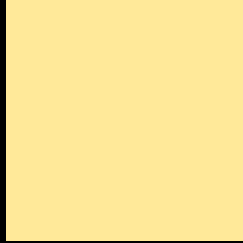
Large Text (above 18pt) WCAG AA × Fail

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 76.1287, 81.8377, 41.9208 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 76.1287, 81.8377, 41.9208

Background



This preview shows how black text looks on a background with the XYZ color 76.1287, 81.8377, 41.9208.



This preview shows how white text looks on a background with the XYZ color 76.1287, 81.8377,

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

76.1287, 81.8377, 41.9208

Protanopia

75.7617, 81.6486, 41.9037

Deuteranopia

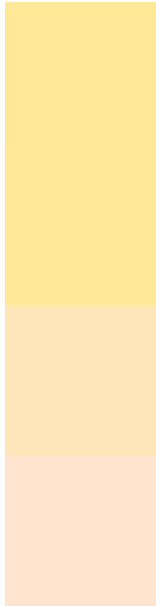
80.1584, 81.6583, 68.6636



Tritanopia

83.8690, 81.8258, 92.2625

Trichromacy



Original Color

76.1287, 81.8377, 41.9208

Protanomaly

75.7617, 81.6486, 41.9037

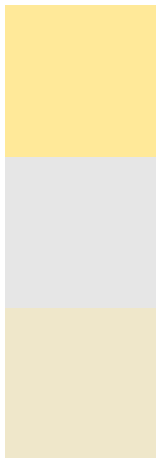
Deuteranomaly

78.2938, 81.3564, 57.4758

Tritanomaly

80.5218, 81.8036, 70.5772

Monochromacy



Original Color

76.1287, 81.8377, 41.9208

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.8332, 79.7668, 67.3295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1287, 81.8377, 41.9208 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, 233, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 153)  
}
```

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, 233, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 153) }
```

Border

The CSS property to change the border of an element to XYZ 76.1287, 81.8377, 41.9208 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, 233, 153) }
```


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

```
.border{ border-color:rgb(255, 233, 153) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1287, 81.8377, 41.9208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 153) }
```

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

```
.background{ background-color: rgb(255,  
233, 153) }
```

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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