

Converting Colors

XYZ(76.7910, 81.2018, 48.1854)

Have a look what the booklet for XYZ(76.7910, 81.2018, 48.1854) contains.

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Color

**XYZ(76.7910, 81.2018,
48.1854)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7A7
RGB	255, 231, 167
RGB Percent	100%, 91%, 65%
CMY	0.0000, 0.0941, 0.3451
CMYK	0.00, 0.09, 0.35, 0.00
HSL	44°, 100%, 83%
HSV	44°, 35%, 100%
XYZ	76.7910, 81.2018, 48.1854
YIQ	230.8800, 34.8480, -14.8160

Conversions

Conversions Part 2

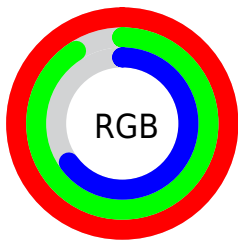
Format	Color
R_{YB}	200, 255, 167
Decimal	16770983
CIE _{Lab}	92.22, -0.78, 34.18
CIE _{LCh}	92, 34.187, 91.315
Yxy	81.2018, 0.3724, 0.3938
Android (android.graphics.Color)	4294961063 (0xFFFFE7A7)
YUV	230.8800, -31.4928, 21.1532
Hunter-Lab	90.1120, -5.5833, 31.3744

Details

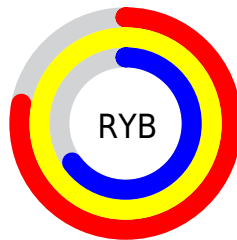
The XYZ color **76.7910, 81.2018, 48.1854** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.6167, 52.6955, 102.0058**, and the grayscale version is **76.0768, 80.0387, 87.1621**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **41.5886, 44.1359, 22.2467** is the 20% darker color. If you saturate the color by 10%, you get **72.7552, 76.5381, 36.3344**, and if you desaturate by 10%, it is **81.3728, 86.2134, 62.5134**.

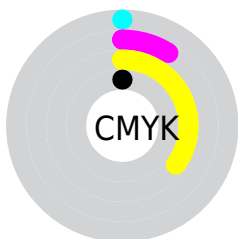
Distribution



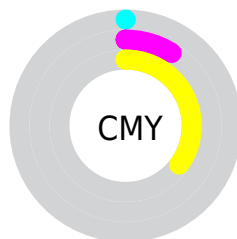
- Red (100%)
- Green (91%)
- Blue (65%)



- Red (78%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (9%)
- Yellow (35%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.7910, 81.2018, 48.1854 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 76.7910, 81.2018, 48.1854 by changing the saturation by 10% instead.

76.7910, 81.2018,
48.1854

76.7910, 81.2018,
48.1854

472.9540,
498.9738, 396.0564

57.3807, 60.7078,
33.6127

127.8188,
135.0541, 88.8488

41.5523, 43.9894,
22.3213

160.1670,
169.1812, 115.7766

28.9405, 30.6622,
13.8926

197.5586,
208.6214, 147.6598

19.1798, 20.3417,
7.9081

240.3589,
253.7592, 184.9170

11.9051, 12.6437,
3.9493

288.9332,
304.9790, 227.9667

6.7508, 7.1837,
1.5976

343.6469,

3.3517, 3.5772,

362.6650, 277.2275

0.2891

404.8654,
427.2019, 333.1179

■ 1.3424, 1.4400,
0.0000

■ 0.2146, 0.2459,
0.0000

■ 76.7910, 81.2018,
48.1854

■ 76.7910, 81.2018,
48.1854

■ 72.7552, 76.5381,
36.3344

■ 81.3728, 86.2134,
62.5134

■ 69.2313, 72.1986,
26.8105

■ 86.5210, 91.5737,
79.4465

■ 66.1900, 68.1729,
19.4554

■ 92.2616, 97.2975,
99.1098

■ 63.5962, 64.4456,
14.0887

95.0500, 100.0000,
108.9000

■ 61.4091, 60.9989,
10.5007

■ 59.5791, 57.8114,
8.4341

■ 58.6877, 56.1554,
7.7459

Harmonies

Analogous

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



85.6148, 81.2018, 52.2663



76.7910, 81.2018, 48.1854



68.6918, 81.2018, 53.0561

Triad

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



76.7910, 81.2018, 48.1854



63.5715, 81.2018, 116.1557



93.0442, 81.2018, 113.8533

Complementary

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



76.7910, 81.2018, 48.1854



52.6167, 52.6955, 102.0058

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.



86.3398, 81.2018, 136.7717



76.7910, 81.2018, 48.1854



69.3180, 81.2018, 138.2693

Square

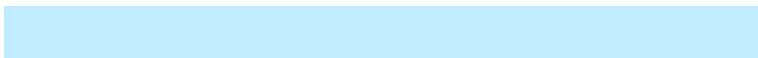
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7910, 81.2018, 48.1854



61.4278, 81.2018, 89.5352



77.5701, 81.2018, 146.4438



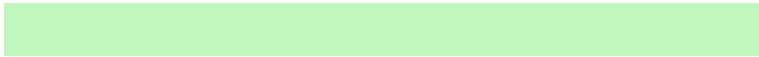
95.4180, 81.2018, 87.3041

Rectangle

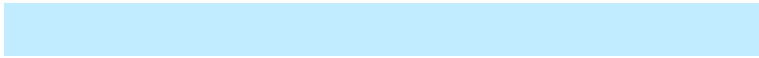
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7910, 81.2018, 48.1854



64.6771, 81.2018, 61.3850



77.5701, 81.2018, 146.4438



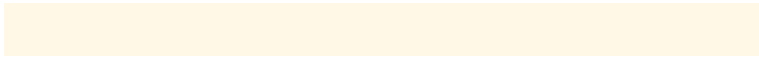
91.1983, 81.2018, 122.4021

Sweetspot

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



76.7929, 81.2055, 48.1871



89.0347, 94.1089, 87.9675



64.5663, 52.7011, 56.6007



18.8866, 19.9723, 18.2473



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.



76.7929, 81.2055, 48.1871



74.1120, 78.1379, 40.2205



77.3053, 92.1316, 50.2690



19.1178, 20.2038, 19.0364



30.7964, 29.6040, 4.0910



3.0896, 3.0645, 0.4287

Inverse Universe

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



52.6167, 52.6955, 102.0058



46.8221, 45.9697, 101.0130



52.1354, 45.3059, 100.6048



17.4060, 18.1836, 22.8423



10.6661, 6.2417, 50.0772



1.1247, 0.7802, 4.9046

Previews

White Background



This preview shows how the XYZ color 76.7910, 81.2018, 48.1854 looks on a white background.

Color Contrast Check

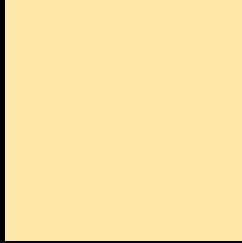
Large Text (above 18pt) WCAG AA × Fail

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 76.7910, 81.2018, 48.1854 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 76.7910, 81.2018, 48.1854

Background



This preview shows how black text looks on a background with the XYZ color 76.7910, 81.2018, 48.1854.



This preview shows how white text looks on a background with the XYZ color 76.7910, 81.2018,

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

76.7910, 81.2018, 48.1854

Protanopia

75.6311, 81.4290, 48.7770

Deuteranopia

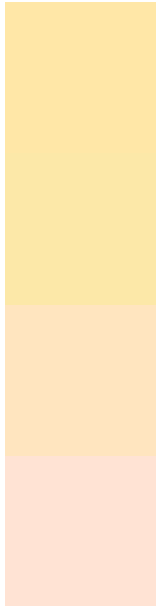
79.8825, 81.1064, 68.5716



Tritanopia

83.4513, 81.2249, 91.4004

Trichromacy



Original Color

76.7910, 81.2018, 48.1854

Protanomaly

76.0694, 81.2358, 48.7166

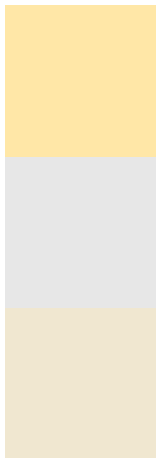
Deuteranomaly

78.6633, 81.0602, 60.7904

Tritanomaly

80.5928, 80.9516, 73.6649

Monochromacy



Original Color

76.7910, 81.2018, 48.1854

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8963, 80.2312, 71.1605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.7910, 81.2018, 48.1854 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, 231, 167)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 167)  
}
```

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, 231, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 167) }
```

Border

The CSS property to change the border of an element to XYZ 76.7910, 81.2018, 48.1854 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, 231, 167) }
```


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

```
.border{ border-color:rgb(255, 231, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 167);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 76.7910, 81.2018, 48.1854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 167) }
```

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

```
.background{ background-color: rgb(255,  
231, 167) }
```

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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