

Converting Colors

XYZ(81.5529, 84.8155, 41.5585)

Have a look what the booklet for XYZ(81.5529, 84.8155, 41.5585) contains.

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Color

**XYZ(75.9648, 81.7722,
41.0580)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE997
RGB	255, 233, 151
RGB Percent	100%, 91%, 59%
CMY	0.0000, 0.0862, 0.4078
CMYK	0.00, 0.09, 0.41, 0.00
HSL	47°, 100%, 80%
HSV	47°, 41%, 100%
XYZ	75.9648, 81.7722, 41.0580
YIQ	230.2300, 39.4340, -20.8380

Conversions

Conversions Part 2

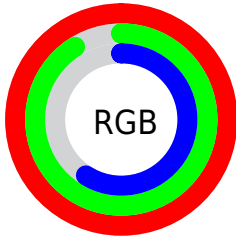
Format	Color
R _Y B	179, 255, 151
Decimal	16771479
CIE Lab	92.47, -3.55, 42.53
CIE LCh	92, 42.681, 94.772
Yxy	81.7722, 0.3821, 0.4113
Android (android.graphics.Color)	4294961559 (0xFFFFE997)
YUV	230.2300, -39.0604, 21.7233
Hunter-Lab	90.4280, -8.2985, 36.3795

Details

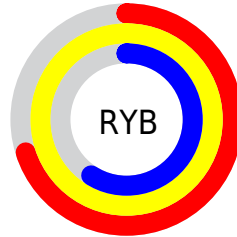
The XYZ color **75.9648, 81.7722, 41.0580** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.7557, 43.6850, 100.6280**, and the grayscale version is **75.6457, 79.5851, 86.6682**.

A 20% lighter version of the original color is **88.1406, 97.2362, 72.5155**, and **41.1985, 44.6120, 18.2440** is the 20% darker color. If you saturate the color by 10%, you get **72.6111, 78.0281, 30.8047**, and if you desaturate by 10%, it is **79.8171, 85.7963, 53.6890**.

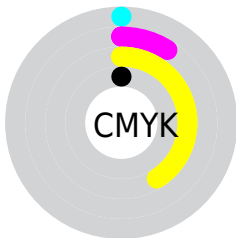
Distribution



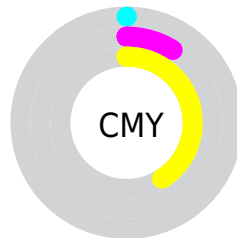
- Red (100%)
- Green (91%)
- Blue (59%)



- Red (70%)
- Yellow (100%)
- Blue (59%)



- Cyan (0%)
- Magenta (9%)
- Yellow (41%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.9648, 81.7722, 41.0580 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 75.9648, 81.7722, 41.0580 by changing the saturation by 10% instead.


 75.9648, 81.7722,
41.0580


 75.9648, 81.7722,
41.0580


470.1734,
500.8854, 366.2468

 56.7006, 61.1778,
28.0444


 126.6578,
135.8545, 78.0266

 41.0041, 44.3687,
18.1198


 158.8172,
170.1112, 102.8186

 28.5100, 30.9604,
10.8657


196.0059,
209.6907, 132.3738

 18.8529, 20.5687,
5.8636

238.5890,
254.9775, 167.1107

 11.6674, 12.8091,
2.6948

286.9319,
306.3560, 207.4480

 6.5882, 7.2972,
0.9408

341.4001,

 3.2499, 3.6487,

364.2106, 253.8040

0.0000

402.3588,
428.9256, 306.5975

■ 1.2873, 1.4790,
0.0000

■ 0.1737, 0.2739,
0.0000

■ 75.9648, 81.7722,
41.0580

■ 75.9648, 81.7722,
41.0580

■ 72.6111, 78.0281,
30.8047

■ 79.8171, 85.7963,
53.6890

■ 69.7204, 74.5403,
22.7703

■ 84.1890, 90.1006,
68.8326

■ 67.2616, 71.2985,
16.7846

■ 89.1073, 94.6994,
86.6195

■ 65.1971, 68.2871,
12.6505

■ 94.5952, 99.6026,
107.1700

■ 63.4814, 65.4873, 95.0499, 100.0000,
10.1318 108.9000

■ 62.1436, 63.0673,
8.8979

Harmonies

Analogous

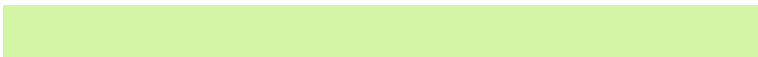
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1514, 81.7722, 44.4939



75.9648, 81.7722, 41.0580



66.2043, 81.7722, 47.7642

Triad

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



75.9648, 81.7722, 41.0580



61.5167, 81.7722, 128.5212



98.6099, 81.7722, 117.6262

Complementary

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



75.9648, 81.7722, 41.0580



45.7557, 43.6850, 100.6280

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.



90.5036, 81.7722, 149.0805



75.9648, 81.7722, 41.0580



68.9985, 81.7722, 156.3458

Square

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



75.9648, 81.7722, 41.0580



58.3824, 81.7722, 94.2039



79.5061, 81.7722, 164.6434



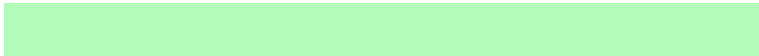
100.9206, 81.7722, 84.0607

Rectangle

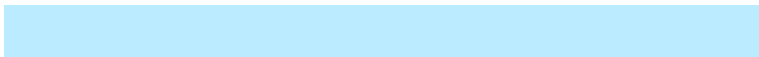
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.9648, 81.7722, 41.0580



61.5999, 81.7722, 58.2997



79.5061, 81.7722, 164.6434



96.4371, 81.7722, 129.0296

Sweetspot

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



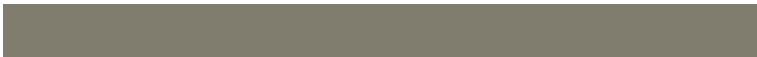
75.9668, 81.7760, 41.0597



88.4791, 94.1240, 84.3102



59.9017, 46.4319, 45.6123



18.7958, 20.0152, 17.5248



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

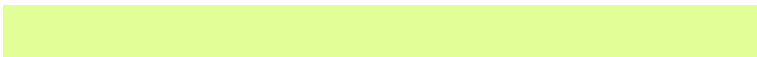
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9668, 81.7760, 41.0597



73.1747, 78.6772, 32.4662



72.5641, 89.8478, 42.7970



19.2160, 20.4001, 19.0692



32.5840, 33.1793, 4.6869



3.2502, 3.3858, 0.4822

Inverse Universe

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



45.7557, 43.6850, 100.6280



39.2318, 35.9062, 99.4706



48.0486, 39.1136, 99.6248



17.3143, 18.0001, 22.8118



10.2054, 5.3204, 49.9236



1.0685, 0.6676, 4.8858

Previews

White Background



This preview shows how the XYZ color 75.9648, 81.7722, 41.0580 looks on a white background.

Color Contrast Check

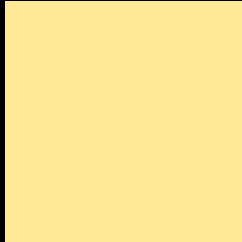
Large Text (above 18pt) WCAG AA × Fail

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 75.9648, 81.7722, 41.0580 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 75.9648, 81.7722, 41.0580

Background



This preview shows how black text looks on a background with the XYZ color 75.9648, 81.7722, 41.0580.



This preview shows how white text looks on a background with the XYZ color 75.9648, 81.7722,

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

75.9648, 81.7722, 41.0580

Protanopia

75.5979, 81.5830, 41.0408

Deuteranopia

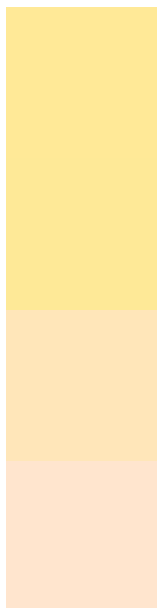
80.1584, 81.6583, 68.6636



Tritanopia

83.8690, 81.8258, 92.2625

Trichromacy



Original Color

75.9648, 81.7722, 41.0580

Protanomaly

75.5979, 81.5830, 41.0408

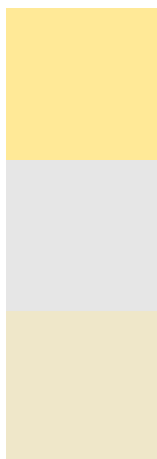
Deuteranomaly

78.2938, 81.3564, 57.4758

Tritanomaly

80.3999, 81.7549, 69.9353

Monochromacy



Original Color

75.9648, 81.7722, 41.0580

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

74.7151, 79.7196, 66.7079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.9648, 81.7722, 41.0580 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, 151)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 151)  
}
```

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, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 151) }
```

Border

The CSS property to change the border of an element to XYZ 75.9648, 81.7722, 41.0580 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, 151) }
```


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

```
.border{ border-color:rgb(255, 233, 151) }
```

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, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 151);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 75.9648, 81.7722, 41.0580 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, 151) }
```

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

```
.background{ background-color: rgb(255,  
233, 151) }
```

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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