

Converting Colors

XYZ(99.7202, 90.9889, 52.3972)

Have a look what the booklet for
XYZ(99.7202, 90.9889, 52.3972)
contains.

XYZ(76.0763, 78.7087, 51.2270)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(76.0763, 78.7087,
51.2270)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE2AE
RGB	255, 226, 174
RGB Percent	100%, 89%, 68%
CMY	0.0000, 0.1137, 0.3176
CMYK	0.00, 0.11, 0.32, 0.00
HSL	39°, 100%, 84%
HSV	39°, 32%, 100%
XYZ	76.0763, 78.7087, 51.2270
YIQ	228.7430, 33.9760, -10.0240

Conversions

Conversions Part 2

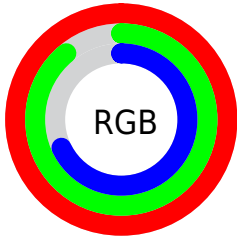
Format	Color
RYB	219, 255, 174
Decimal	16769710
CIELab	91.10, 2.59, 29.11
CIELCh	91, 29.222, 84.916
Yxy	78.7087, 0.3693, 0.3821
Android (android.graphics.Color)	4294959790 (0xFFFFE2AE)
YUV	228.7430, -26.9883, 23.0274
Hunter-Lab	88.7179, -2.1912, 27.8677

Details

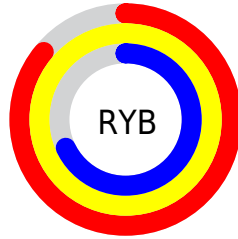
The XYZ color **76.0763, 78.7087, 51.2270** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **56.8609, 58.9286, 102.9852**, and the grayscale version is **74.4635, 78.3414, 85.3138**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **41.0401, 42.3766, 24.1056** is the 20% darker color. If you saturate the color by 10%, you get **71.4067, 72.9772, 38.5482**, and if you desaturate by 10%, it is **81.3540, 84.9005, 66.4385**.

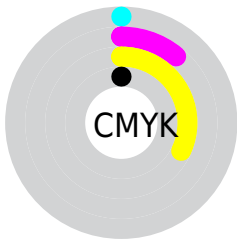
Distribution



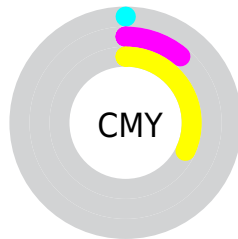
- Red (100%)
- Green (89%)
- Blue (68%)



- Red (86%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (11%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (11%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.0763, 78.7087, 51.2270 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 76.0763, 78.7087, 51.2270 by changing the saturation by 10% instead.


 76.0763, 78.7087,
51.2270

 76.0763, 78.7087,
51.2270


470.5492,
490.5703, 408.3168

 56.7923, 58.6563,
36.0113


 126.8145,
131.5487, 93.4052

 41.0780, 42.3365,
24.1532


158.9995,
165.1051, 121.2047

 28.5680, 29.3649,
15.2340


196.2156,
203.9317, 154.0360

 18.8969, 19.3570,
8.8354

238.8281,
248.4127, 192.3175

 11.6994, 11.9285,
4.5386

287.2023,
298.9328, 236.4678

 6.6101, 6.6950,
1.9252

341.7037,

 3.2636, 3.2721,

355.8761, 286.9054

0.5087

402.6975,
419.6272, 344.0489

■ 1.2946, 1.2754,
0.0000

■ 0.1792, 0.1220,
0.0000

■ 76.0763, 78.7087,
51.2270

■ 76.0763, 78.7087,
51.2270

■ 71.4067, 72.9772,
38.5482

■ 81.3540, 84.9005,
66.4385

■ 67.3104, 67.6805,
28.2555

■ 87.2605, 91.5556,
84.3084

■ 63.7579, 62.8061,
20.1947

■ 93.8227, 98.6907,
104.9599

■ 60.7141, 58.3365,
14.1913

95.0500, 100.0000,
108.9000

■ 58.1386, 54.2523,
10.0445

■ 55.9836, 50.5306,
7.5123

■ 54.4657, 47.7115,
6.3386

Harmonies

Analogous

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



83.2764, 78.7087, 56.5322



76.0763, 78.7087, 51.2270



68.9835, 78.7087, 53.8438

Triad

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



76.0763, 78.7087, 51.2270



62.6517, 78.7087, 104.0088



87.0479, 78.7087, 111.2773

Complementary

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



76.0763, 78.7087, 51.2270



56.8609, 58.9286, 102.9852

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.



80.9562, 78.7087, 128.1485



76.0763, 78.7087, 51.2270



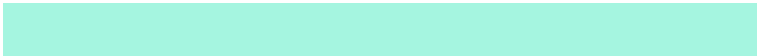
66.9383, 78.7087, 123.4913

Square

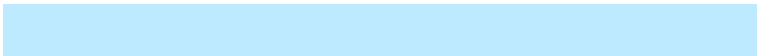
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.0763, 78.7087, 51.2270



61.5333, 78.7087, 82.1451



73.5583, 78.7087, 132.9495



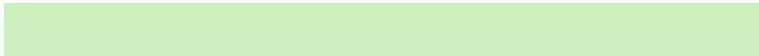
89.8716, 78.7087, 89.3568

Rectangle

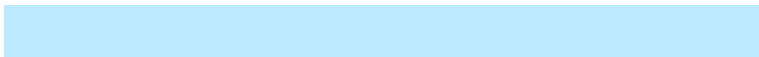
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.0763, 78.7087, 51.2270



65.2213, 78.7087, 59.9971



73.5583, 78.7087, 132.9495



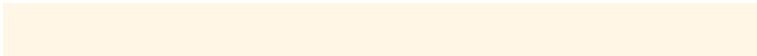
85.2958, 78.7087, 117.8611

Sweetspot

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



76.0783, 78.7123, 51.2286



88.3697, 92.7789, 87.7458



67.2397, 55.8782, 64.1807



18.7252, 19.6496, 18.1935



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

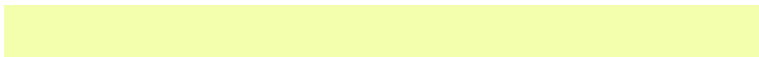
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.0783, 78.7123, 51.2286



73.0959, 75.0836, 43.0329



80.7779, 93.8450, 53.9018



18.9822, 19.9326, 18.9912



28.6059, 25.2230, 3.3608



2.8887, 2.6627, 0.3617

Inverse Universe

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



56.8609, 58.9286, 102.9852



51.1928, 52.5445, 102.0517



53.1462, 47.7825, 101.0296



17.5351, 18.4418, 22.8854



11.5265, 7.9625, 50.3640



1.2211, 0.9730, 4.9367

Previews

White Background



This preview shows how the XYZ color 76.0763, 78.7087, 51.2270 looks on a white background.

Color Contrast Check

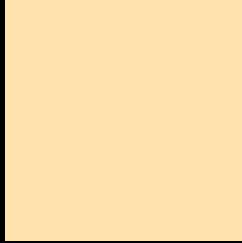
Large Text (above 18pt) WCAG AA × Fail

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 76.0763, 78.7087, 51.2270 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 76.0763, 78.7087, 51.2270

Background



This preview shows how black text looks on a background with the XYZ color 76.0763, 78.7087, 51.2270.



This preview shows how white text looks on a background with the XYZ color 76.0763, 78.7087,

51.2270.

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

76.0763, 78.7087, 51.2270

Protanopia

73.4134, 78.5462, 51.8491

Deuteranopia

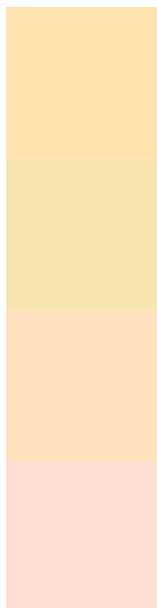
78.2045, 78.6948, 65.1006



Tritanopia

81.9477, 78.9134, 88.7546

Trichromacy



Original Color

76.0763, 78.7087, 51.2270

Protanomaly

74.5482, 78.7217, 51.8231

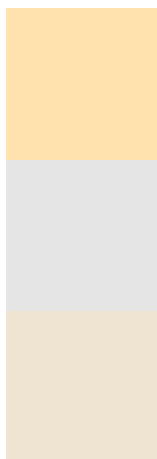
Deuteranomaly

77.4595, 78.8281, 59.8480

Tritanomaly

79.5113, 78.7888, 73.3044

Monochromacy



Original Color

76.0763, 78.7087, 51.2270

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

74.5119, 78.2674, 71.5015

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.0763, 78.7087, 51.2270 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, 226, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 174)  
}
```

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, 226, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 174) }
```

Border

The CSS property to change the border of an element to XYZ 76.0763, 78.7087, 51.2270 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, 226, 174) }
```


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

```
.border{ border-color:rgb(255, 226, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 76.0763, 78.7087, 51.2270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 174) }
```

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

```
.background{ background-color: rgb(255,  
226, 174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor