

Converting Colors

XYZ(169.6655, 129.8463,
59.4903)

Have a look what the booklet for
XYZ(169.6655, 129.8463, 59.4903)
contains.

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Color

**XYZ(78.6171, 82.8331,
55.0248)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE9B4
RGB	255, 233, 180
RGB Percent	100%, 91%, 71%
CMY	0.0000, 0.0862, 0.2941
CMYK	0.00, 0.09, 0.29, 0.00
HSL	42°, 100%, 85%
HSV	42°, 29%, 100%
XYZ	78.6171, 82.8331, 55.0248
YIQ	233.5360, 30.1250, -11.8190

Conversions

Conversions Part 2

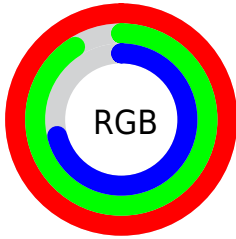
Format	Color
R _Y B	211, 255, 180
Decimal	16771508
CIE Lab	92.94, -0.23, 28.52
CIE LCh	93, 28.526, 90.453
Yxy	82.8331, 0.3632, 0.3826
Android (android.graphics.Color)	4294961588 (0xFFFFE9B4)
YUV	233.5360, -26.3932, 18.8239
Hunter-Lab	91.0127, -5.0832, 27.8631

Details

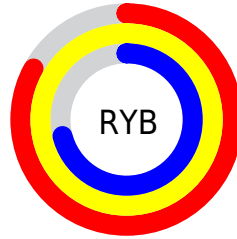
The XYZ color **78.6171, 82.8331, 55.0248** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **57.9923, 59.1625, 102.9707**, and the grayscale version is **78.0349, 82.0988, 89.4056**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **42.5789, 44.8469, 26.4908** is the 20% darker color. If you saturate the color by 10%, you get **74.1829, 77.7464, 41.8882**, and if you desaturate by 10%, it is **83.6231, 88.2979, 70.7116**.

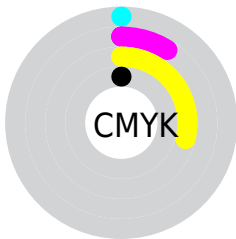
Distribution



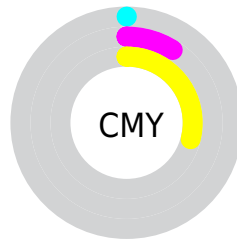
- Red (100%)
- Green (91%)
- Blue (71%)



- Red (83%)
- Yellow (100%)
- Blue (71%)



- Cyan (0%)
- Magenta (9%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.6171, 82.8331, 55.0248 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 78.6171, 82.8331, 55.0248 by changing the saturation by 10% instead.

 78.6171, 82.8331,
55.0248

 78.6171, 82.8331,
55.0248


479.0679,
504.4301, 423.2905

 58.8856, 62.0525,
39.0228


 130.3804,
137.3417, 99.0488

 42.7670, 45.0751,
26.4695


163.1430,
171.8384, 127.9079

 29.8961, 31.5166,
16.9463


200.9799,
211.6760, 161.8899

 19.9074, 20.9925,
10.0347

244.2566,
257.2388, 201.4131

 12.4356, 13.1185,
5.3160

293.3384,
308.9112, 246.8963

 7.1154, 7.5102,
2.3719

348.5906,

 3.5813, 3.7832,

367.0776, 298.7579

0.7711

410.3787,
432.1225, 357.4165

■ 1.4681, 1.5530,
0.0000

■ 0.3040, 0.3256,
0.0000

■ 78.6171, 82.8331,
55.0248

■ 78.6171, 82.8331,
55.0248

■ 74.1829, 77.7464,
41.8882

■ 83.6231, 88.2979,
70.7116

■ 70.2871, 73.0140,
31.1582

■ 89.2199, 94.1414,
89.0715

■ 66.9016, 68.6257,
22.6845

95.0500, 100.0000,
108.9000

■ 63.9935, 64.5666,
16.2979

■ 61.5247, 60.8195,
11.8050

■ 59.4506, 57.3647,
8.9761

■ 57.7031, 54.1731,
7.4583

■ 57.6057, 53.9914,
7.3852

Harmonies

Analogous

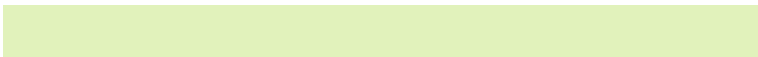
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.0202, 82.8331, 58.9582



78.6171, 82.8331, 55.0248



71.6800, 82.8331, 59.2031

Triad

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



78.6171, 82.8331, 55.0248



66.9980, 82.8331, 112.6618



91.8838, 82.8331, 112.0110

Complementary

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



78.6171, 82.8331, 55.0248



57.9923, 59.1625, 102.9707

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.



86.2286, 82.8331, 130.4545



78.6171, 82.8331, 55.0248



71.8645, 82.8331, 130.8700

Square

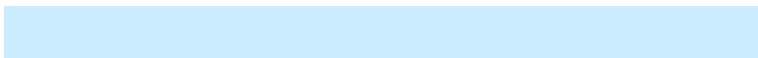
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.6171, 82.8331, 55.0248



65.2366, 82.8331, 90.5161



78.8438, 82.8331, 137.8380



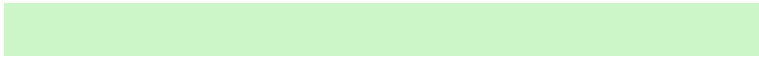
93.9673, 82.8331, 89.8670

Rectangle

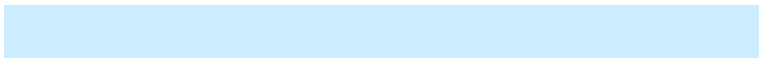
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.6171, 82.8331, 55.0248



68.1767, 82.8331, 66.4757



78.8438, 82.8331, 137.8380



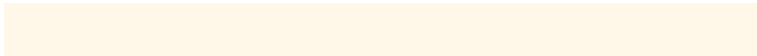
90.3205, 82.8331, 118.9667

Sweetspot

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



78.6192, 82.8368, 55.0265



89.4630, 94.3899, 89.8850



68.2818, 58.1914, 63.8221



18.9656, 20.0156, 18.6272



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.



78.6192, 82.8368, 55.0265



76.0715, 79.9469, 47.3782



79.9337, 93.3407, 56.9847



19.0849, 20.1380, 19.0255



30.2358, 28.4828, 3.9041



3.0386, 2.9626, 0.4117

Inverse Universe

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



57.9923, 59.1625, 102.9707



52.5563, 52.9655, 102.0611



56.8778, 51.4656, 101.5438



17.4370, 18.2456, 22.8527



10.8498, 6.6092, 50.1384



1.1461, 0.8228, 4.9117

Previews

White Background



This preview shows how the XYZ color 78.6171, 82.8331, 55.0248 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 78.6171, 82.8331, 55.0248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

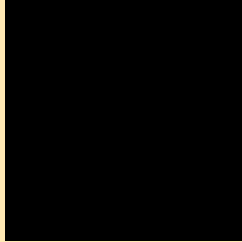
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 78.6171, 82.8331, 55.0248

Background



This preview shows how black text looks on a background with the XYZ color 78.6171, 82.8331, 55.0248.

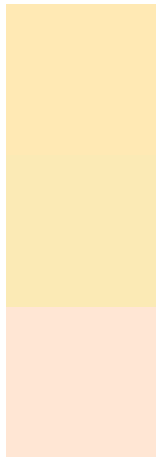


This preview shows how white text looks on a background with the XYZ color 78.6171, 82.8331,

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

78.6171, 82.8331, 55.0248

Protanopia

77.5470, 82.6911, 55.5899

Deuteranopia

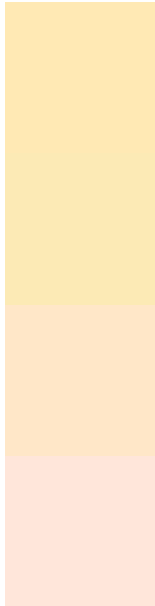
81.4205, 82.6071, 73.9408



Tritanopia

84.7116, 83.0381, 94.0012

Trichromacy



Original Color

78.6171, 82.8331, 55.0248

Protanomaly

77.9082, 82.8773, 55.6068

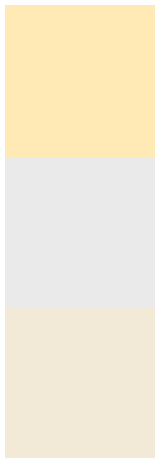
Deuteranomaly

80.2412, 82.5820, 66.3543

Tritanomaly

82.1917, 82.9156, 78.0020

Monochromacy



Original Color

78.6171, 82.8331, 55.0248

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

78.1784, 82.5779, 75.4370

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.6171, 82.8331, 55.0248 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 180) }
```

Border

The CSS property to change the border of an element to XYZ 78.6171, 82.8331, 55.0248 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, 180) }
```


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

```
.border{ border-color:rgb(255, 233, 180) }
```

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, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 78.6171, 82.8331, 55.0248 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
233, 180) }
```

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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