

Converting Colors

XYZ(137.4453, 112.8356,
56.7093)

Have a look what the booklet for
XYZ(137.4453, 112.8356, 56.7093)
contains.

XYZ(78.1325, 82.1876, 53.8652)	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(78.1325, 82.1876,
53.8652)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE8B2
RGB	255, 232, 178
RGB Percent	100%, 91%, 70%
CMY	0.0000, 0.0902, 0.3020
CMYK	0.00, 0.09, 0.30, 0.00
HSL	42°, 100%, 85%
HSV	42°, 30%, 100%
XYZ	78.1325, 82.1876, 53.8652
YIQ	232.7210, 31.0420, -11.9180

Conversions

Conversions Part 2

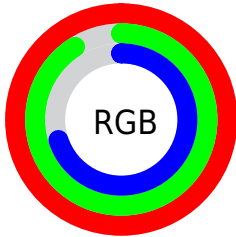
Format	Color
R_{YB}	211, 255, 178
Decimal	16771250
CIE _{Lab}	92.66, 0.03, 29.16
CIE _{LCh}	93, 29.163, 89.939
Yxy	82.1876, 0.3648, 0.3837
Android (android.graphics.Color)	4294961330 (0xFFFFE8B2)
YUV	232.7210, -26.9775, 19.5387
Hunter-Lab	90.6574, -4.8113, 28.2323

Details

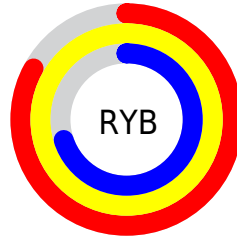
The XYZ color **78.1325, 82.1876, 53.8652** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.2962, 58.4564, 102.8711**, and the grayscale version is **77.4241, 81.4562, 88.7058**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **42.2530, 44.4017, 25.7454** is the 20% darker color. If you saturate the color by 10%, you get **73.7097, 77.0655, 40.9120**, and if you desaturate by 10%, it is **83.1282, 87.6933, 69.3592**.

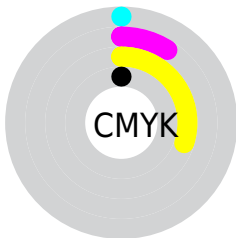
Distribution



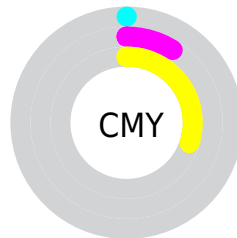
- Red (100%)
- Green (91%)
- Blue (70%)



- Red (83%)
- Yellow (100%)
- Blue (70%)



- Cyan (0%)
- Magenta (9%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.1325, 82.1876, 53.8652 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 78.1325, 82.1876, 53.8652 by changing the saturation by 10% instead.


 78.1325, 82.1876,
53.8652

 78.1325, 82.1876,
53.8652


477.4496,
502.2750, 418.7558

 58.4860, 61.5202,
38.1015


 129.7013,
136.4370, 97.3307

 42.4443, 44.6451,
25.7590


162.3542,
170.7879, 125.8695

 29.6419, 31.1780,
16.4193


200.0734,
210.4686, 159.5038

 19.7137, 20.7344,
9.6638

243.2241,
255.8637, 198.6521

 12.2941, 12.9300,
5.0739

292.1717,
307.3574, 243.7329

 7.0180, 7.3804,
2.2312

347.2816,

 3.5198, 3.7011,

365.3343, 295.1648

0.6923

408.9191,
430.1787, 353.3662

■ 1.4342, 1.5078,
0.0000

■ 0.2804, 0.2942,
0.0000

■ 78.1325, 82.1876,
53.8652

■ 78.1325, 82.1876,
53.8652

■ 73.7097, 77.0655,
40.9120

■ 83.1282, 87.6933,
69.3592

■ 69.8262, 72.3030,
30.3550

■ 88.7162, 93.5834,
87.5178

■ 66.4538, 67.8898,
22.0428

94.9225, 99.8731,
108.4624

■ 63.5589, 63.8105,
15.8046

95.0500, 100.0000,
108.9000

■ 61.1032, 60.0479,
11.4446

■ 59.0412, 56.5817,
8.7294

■ 57.3302, 53.4404,
7.2934

Harmonies

Analogous

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



85.6569, 82.1876, 57.9729



78.1325, 82.1876, 53.8652



71.0583, 82.1876, 57.9393

Triad

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



78.1325, 82.1876, 53.8652



66.1418, 82.1876, 112.0073



91.4391, 82.1876, 112.0975

Complementary

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



78.1325, 82.1876, 53.8652



57.2962, 58.4564, 102.8711

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.



85.6281, 82.1876, 130.8076



78.1325, 82.1876, 53.8652



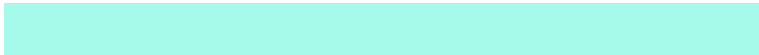
71.0328, 82.1876, 130.7499

Square

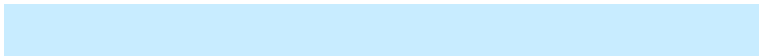
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.1325, 82.1876, 53.8652



64.4144, 82.1876, 89.4435



78.1012, 82.1876, 138.1224



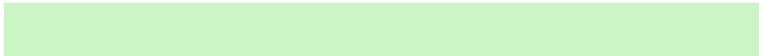
93.6365, 82.1876, 89.5332

Rectangle

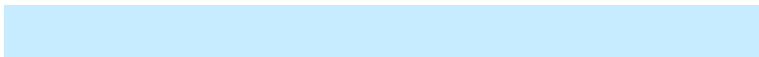
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.1325, 82.1876, 53.8652



67.4724, 82.1876, 65.1960



78.1012, 82.1876, 138.1224



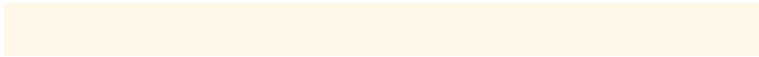
89.8258, 82.1876, 119.1702

Sweetspot

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



78.1345, 82.1913, 53.8669



89.4251, 94.3140, 89.8724



67.7153, 57.3234, 62.8164



18.9562, 19.9969, 18.6240



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.



78.1345, 82.1913, 53.8669



75.4985, 79.1709, 46.0467



79.5957, 93.1898, 55.9128



19.0764, 20.1209, 19.0226



30.0930, 28.1972, 3.8565



3.0256, 2.9365, 0.4073

Inverse Universe

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



57.2962, 58.4564, 102.8711



51.7419, 52.1210, 101.9410



56.0656, 50.4519, 101.3910



17.4451, 18.2618, 22.8554



10.9002, 6.7099, 50.1552



1.1518, 0.8343, 4.9136

Previews

White Background



This preview shows how the XYZ color 78.1325, 82.1876, 53.8652 looks on a white background.

Color Contrast Check

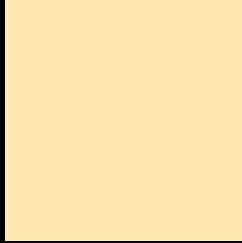
Large Text (above 18pt) WCAG AA × Fail

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 78.1325, 82.1876, 53.8652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

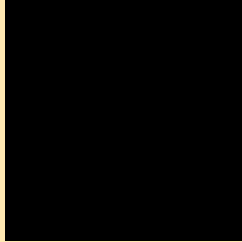
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1325, 82.1876, 53.8652

Background



This preview shows how black text looks on a background with the XYZ color 78.1325, 82.1876, 53.8652.



This preview shows how white text looks on a background with the XYZ color 78.1325, 82.1876,

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

78.1325, 82.1876, 53.8652

Protanopia

76.9838, 82.4243, 54.4998

Deuteranopia

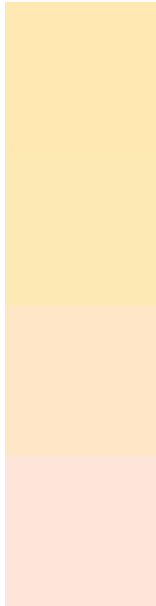
80.7679, 81.9021, 71.8734



Tritanopia

84.0163, 81.8847, 93.0385

Trichromacy



Original Color

78.1325, 82.1876, 53.8652

Protanomaly

77.4205, 82.2279, 54.4389

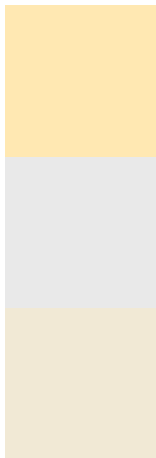
Deuteranomaly

79.7299, 81.9308, 65.0381

Tritanomaly

81.5078, 81.7566, 77.1303

Monochromacy



Original Color

78.1325, 82.1876, 53.8652

Achromatopsia

77.4512, 81.4847, 88.7368

Achromatomaly

77.4248, 81.7827, 74.6557

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1325, 82.1876, 53.8652 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, 232, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 178)  
}
```

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, 232, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 178) }
```

Border

The CSS property to change the border of an element to XYZ 78.1325, 82.1876, 53.8652 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, 232, 178) }
```


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

```
.border{ border-color:rgb(255, 232, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1325, 82.1876, 53.8652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 178) }
```

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

```
.background{ background-color: rgb(255,  
232, 178) }
```

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