

Converting Colors

XYZ(80.6321, 87.8203, 52.7456)

Have a look what the booklet for
XYZ(80.6321, 87.8203, 52.7456)
contains.

XYZ(80.6321, 87.8203, 52.7456)	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(80.6321, 87.8203,
52.7456)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF2AE
RGB	255, 242, 174
RGB Percent	100%, 95%, 68%
CMY	0.0000, 0.0510, 0.3176
CMYK	0.00, 0.05, 0.32, 0.00
HSL	50°, 100%, 84%
HSV	50°, 32%, 100%
XYZ	80.6321, 87.8203, 52.7456
YIQ	238.1350, 29.5760, -18.3920

Conversions

Conversions Part 2

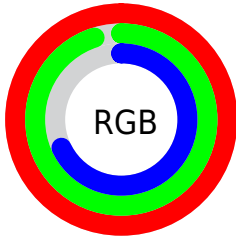
Format	Color
RYB	189, 255, 174
Decimal	16773806
CIELab	95.09, -5.49, 34.45
CIElCh	95, 34.887, 99.054
Yxy	87.8203, 0.3645, 0.3970
Android (android.graphics.Color)	4294963886 (0xFFFFF2AE)
YUV	238.1350, -31.6186, 14.7906
Hunter-Lab	93.7125, -10.4119, 32.2277

Details

The XYZ color **80.6321, 87.8203, 52.7456** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **53.2754, 51.7577, 101.7901**, and the grayscale version is **81.5957, 85.8450, 93.4852**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **44.0361, 48.3686, 25.1043** is the 20% darker color. If you saturate the color by 10%, you get **77.1752, 84.5142, 40.4712**, and if you desaturate by 10%, it is **84.5926, 91.3776, 67.5182**.

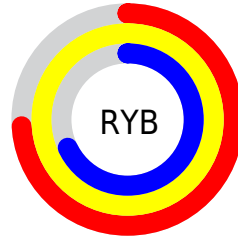
Distribution



Red (100%)

Green (95%)

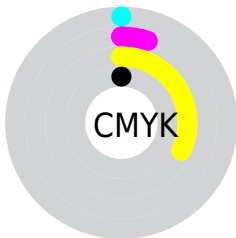
Blue (68%)



Red (74%)

Yellow (100%)

Blue (68%)

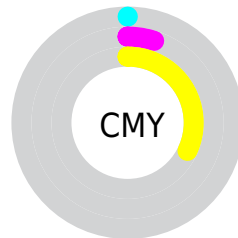


Cyan (0%)

Magenta (5%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6321, 87.8203, 52.7456 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 80.6321, 87.8203, 52.7456 by changing the saturation by 10% instead.


 80.6321, 87.8203,
52.7456

 80.6321, 87.8203,
52.7456


485.7647,
520.9146, 414.3469

 60.5489, 66.1743,
37.2134


 133.1999,
144.3070, 95.6677

 44.1124, 48.4139,
25.0757


166.4153,
179.9163, 123.8946

 30.9571, 34.1548,
15.9139

204.7387,
220.9490, 157.1902

 20.7179, 23.0125,
9.3096

248.5356,
267.7893, 195.9730

 13.0292, 14.6027,
4.8441

298.1713,
320.8216, 240.6615

 7.5258, 8.5411,
2.0989

354.0111,

 3.8423, 4.4431,

380.4303, 291.6743

0.6151

416.4204,
446.9998, 349.4299

■ 1.6133, 1.9244,
0.0000

■ 0.4011, 0.5630,
0.0000

■ 80.6321, 87.8203,
52.7456

■ 80.6321, 87.8203,
52.7456

■ 77.1752, 84.5142,
40.4712

■ 84.5926, 91.3776,
67.5182

■ 74.1884, 81.4364,
30.5483

■ 89.0749, 95.1844,
84.9134

■ 71.6442, 78.5786,
22.8236

■ 94.1045, 99.2542,
105.0541

■ 69.5095, 75.9273,
17.1232

■ 95.0500, 100.0000,
108.9000

■ 67.7459, 73.4669,
13.2469

■ 66.3077, 71.1788,
10.9537

■ 65.3103, 69.4006,
9.9534

Harmonies

Analogous

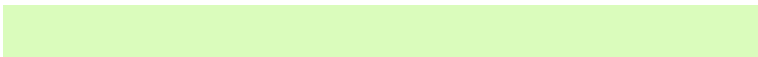
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1642, 87.8203, 54.6526



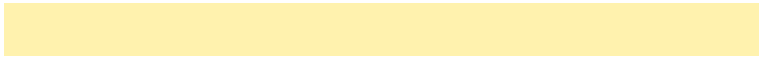
80.6321, 87.8203, 52.7456



72.4948, 87.8203, 60.5137

Triad

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



80.6321, 87.8203, 52.7456



70.0889, 87.8203, 132.4663



101.6957, 87.8203, 115.5433

Complementary

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



80.6321, 87.8203, 52.7456



53.2754, 51.7577, 101.7901

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.



95.5018, 87.8203, 142.2080



80.6321, 87.8203, 52.7456



77.1167, 87.8203, 153.1932

Square

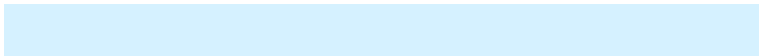
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6321, 87.8203, 52.7456



66.7182, 87.8203, 104.0824



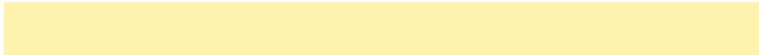
86.3749, 87.8203, 157.0613



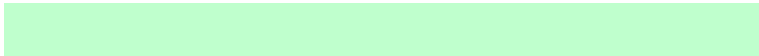
102.8157, 87.8203, 87.6318

Rectangle

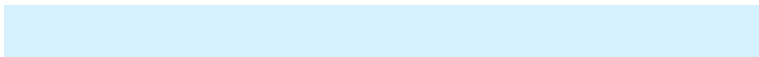
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.6321, 87.8203, 52.7456



68.7801, 87.8203, 71.1901



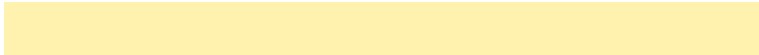
86.3749, 87.8203, 157.0613



100.1167, 87.8203, 125.0861

Sweetspot

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



80.6343, 87.8243, 52.7474



89.9217, 95.8829, 88.2632



65.4000, 55.1424, 54.4925



19.1022, 20.4036, 18.3192



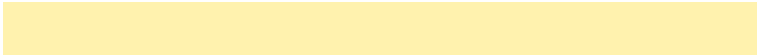
0.0000, 0.0000, 0.0000



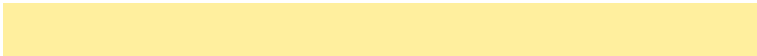
20.3446, 21.4041, 23.3091

Same Dimension

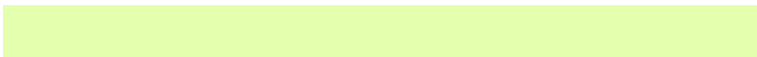
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6343, 87.8243, 52.7474



78.4202, 85.7322, 44.8077



75.3953, 91.0702, 53.6501



19.2985, 20.5652, 19.0967



34.2187, 36.4486, 5.2318



3.3952, 3.6758, 0.5306

Inverse Universe

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



53.2754, 51.7577, 101.7901



47.2377, 44.6341, 100.7333



57.2743, 49.9107, 101.2228



17.2383, 17.8482, 22.7864



9.9132, 4.7359, 49.8262



1.0293, 0.5893, 4.8728

Previews

White Background



This preview shows how the XYZ color 80.6321, 87.8203, 52.7456 looks on a white background.

Color Contrast Check

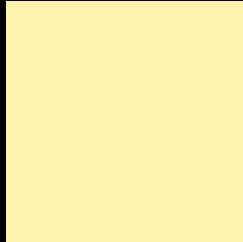
Large Text (above 18pt) WCAG AA × Fail

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 80.6321, 87.8203, 52.7456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

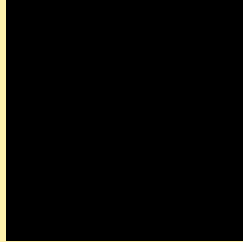
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.6321, 87.8203, 52.7456

Background



This preview shows how black text looks on a background with the XYZ color 80.6321, 87.8203, 52.7456.



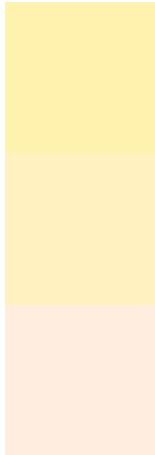
This preview shows how white text looks on a background with the XYZ color 80.6321, 87.8203,

52.7456.

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

80.6321, 87.8203, 52.7456

Protanopia

82.2097, 87.9764, 62.5174

Deuteranopia

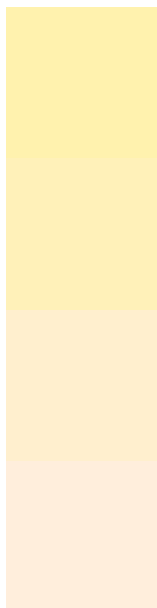
85.2691, 87.7909, 82.9722



Tritanopia

88.0240, 87.9663, 100.3355

Trichromacy



Original Color

80.6321, 87.8203, 52.7456

Protanomaly

81.4523, 87.6734, 58.5286

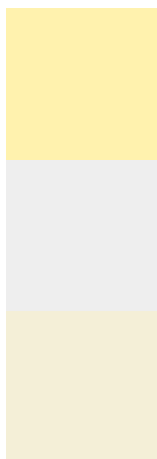
Deuteranomaly

83.2471, 87.4492, 70.8843

Tritanomaly

84.7328, 87.5764, 80.1482

Monochromacy



Original Color

80.6321, 87.8203, 52.7456

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

80.4405, 85.8724, 76.6253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6321, 87.8203, 52.7456 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, 242, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 174) }
```

Border

The CSS property to change the border of an element to XYZ 80.6321, 87.8203, 52.7456 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, 242, 174) }
```


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

```
.border{ border-color:rgb(255, 242, 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, 242, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6321, 87.8203, 52.7456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 174) }
```

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

```
.background{ background-color: rgb(255,  
242, 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