

Converting Colors

XYZ(77.1532, 81.4324, 51.5963)

Have a look what the booklet for
XYZ(77.1532, 81.4324, 51.5963)
contains.

XYZ(77.0889, 81.2787, 51.6697)	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(77.0889, 81.2787,
51.6697)**

Conversions

Conversions Part 1

Format	Color
Hex	FEE7AE
RGB	254, 231, 174
RGB Percent	100%, 91%, 68%
CMY	0.0039, 0.0941, 0.3176
CMYK	0.00, 0.09, 0.31, 0.00
HSL	43°, 98%, 84%
HSV	43°, 31%, 100%
XYZ	77.0889, 81.2787, 51.6697
YIQ	231.3790, 32.0050, -12.8510

Conversions

Conversions Part 2

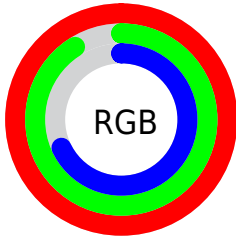
Format	Color
R _Y B	206, 254, 174
Decimal	16705454
CIE Lab	92.26, -0.33, 30.65
CIE LCh	92, 30.650, 90.618
Yxy	81.2787, 0.3670, 0.3870
Android (android.graphics.Color)	4294895534 (0xFFFE7AE)
YUV	231.3790, -28.2878, 19.8386
Hunter-Lab	90.1547, -5.1401, 29.1278

Details

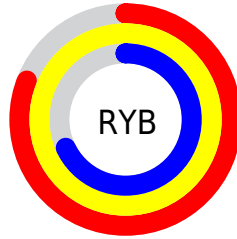
The XYZ color **77.0889, 81.2787, 51.6697** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **55.3106, 56.0851, 101.6762**, and the grayscale version is **76.4273, 80.4075, 87.5638**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **41.7415, 44.1669, 24.4142** is the 20% darker color. If you saturate the color by 10%, you get **72.8428, 76.3815, 39.1713**, and if you desaturate by 10%, it is **81.8926, 86.5411, 66.6658**.

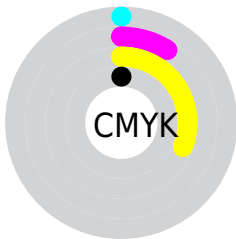
Distribution



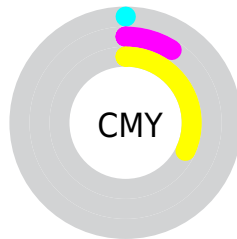
- Red (100%)
- Green (91%)
- Blue (68%)



- Red (81%)
- Yellow (100%)
- Blue (68%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)
- Black (0%)



- Cyan (0%)
- Magenta (9%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.0889, 81.2787, 51.6697 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 77.0889, 81.2787, 51.6697 by changing the saturation by 10% instead.

77.0889, 81.2787,
51.6697

77.0889, 81.2787,
51.6697

473.9544,
499.2318, 410.0807

57.6260, 60.7712,
36.3614

128.2371,
135.1620, 94.0656

41.7502, 44.0405,
24.4216

160.6532,
169.3066, 121.9902

29.0960, 30.7024,
15.4316

198.1177,
208.7657, 154.9574

19.2981, 20.3723,
8.9728

240.9960,
253.9236, 193.3858

11.9911, 12.6660,
4.6269

289.6535,
305.1647, 237.6937

6.8098, 7.1989,
1.9752

344.4555,

3.3887, 3.5868,

362.8736, 288.2998

0.5400

405.7673,
427.4344, 345.6227

■ 1.3625, 1.4452,
0.0000

■ 0.2293, 0.2497,
0.0000

■ 77.0889, 81.2787,
51.6697

■ 77.0889, 81.2787,
51.6697

■ 72.8428, 76.3815,
39.1713

■ 81.8926, 86.5411,
66.6658

■ 69.1207, 71.8257,
29.0260

■ 87.2732, 92.1694,
84.2833

■ 65.8945, 67.6013,
21.0817

■ 93.2564, 98.1783,
104.6438

■ 63.1305, 63.6932,
15.1666

94.6830, 99.8108,
108.8828

■ 60.7903, 60.0843,
11.0830

■ 58.8275, 56.7541,
8.5932

■ 57.3957, 54.1162,
7.4204

Harmonies

Analogous

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



84.9653, 81.2787, 55.6853



77.0889, 81.2787, 51.6697



69.7561, 81.2787, 56.0313

Triad

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



77.0889, 81.2787, 51.6697



64.8787, 81.2787, 112.6127



91.2918, 81.2787, 111.6591

Complementary

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



77.0889, 81.2787, 51.6697



55.3106, 56.0851, 101.6762

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.



85.2686, 81.2787, 131.5708



77.0889, 81.2787, 51.6697



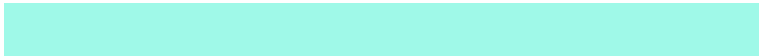
70.0221, 81.2787, 132.1842

Square

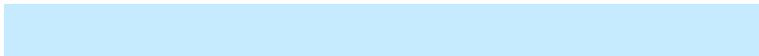
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.0889, 81.2787, 51.6697



63.0085, 81.2787, 88.9697



77.4173, 81.2787, 139.6450



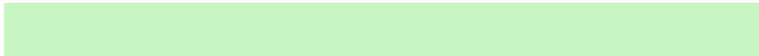
93.4971, 81.2787, 88.0293

Rectangle

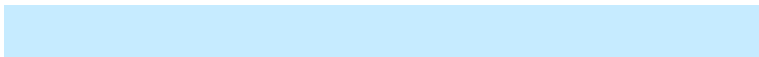
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.0889, 81.2787, 51.6697



66.0737, 81.2787, 63.6182



77.4173, 81.2787, 139.6450



89.6270, 81.2787, 119.1437

Sweetspot

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



77.0910, 81.2824, 51.6714



89.5042, 94.4723, 89.8988



66.2027, 55.4210, 60.6350



18.9758, 20.0360, 18.6306



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.



77.0910, 81.2824, 51.6714



74.9299, 78.7516, 43.6442



78.3420, 92.1169, 53.6967



19.0942, 20.1566, 19.0286



30.3925, 28.7961, 3.9564



3.0529, 2.9911, 0.4164

Inverse Universe

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



55.3106, 56.0851, 101.6762



49.7189, 49.5966, 101.5604



54.2614, 48.3760, 100.2435



17.4282, 18.2280, 22.8497



10.7963, 6.5021, 50.1206



1.1399, 0.8105, 4.9096

Previews

White Background



This preview shows how the XYZ color 77.0889, 81.2787, 51.6697 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 77.0889, 81.2787, 51.6697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

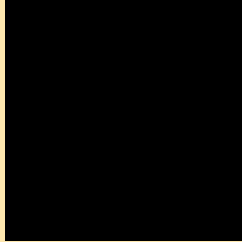
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.0889, 81.2787, 51.6697

Background



This preview shows how black text looks on a background with the XYZ color 77.0889, 81.2787, 51.6697.



This preview shows how white text looks on a background with the XYZ color 77.0889, 81.2787,

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

77.0889, 81.2787, 51.6697

Protanopia

75.9437, 81.5127, 52.2883

Deuteranopia

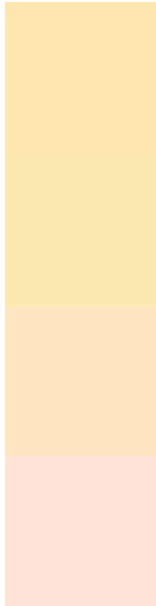
80.1240, 81.2030, 69.8433



Tritanopia

83.5978, 81.2835, 92.1721

Trichromacy



Original Color

77.0889, 81.2787, 51.6697

Protanomaly

76.3781, 81.3176, 52.2277

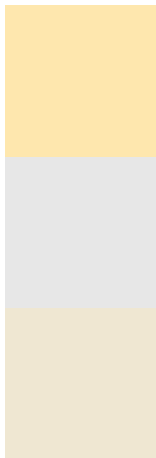
Deuteranomaly

78.9969, 81.1937, 62.5473

Tritanomaly

80.9748, 81.1045, 75.6769

Monochromacy



Original Color

77.0889, 81.2787, 51.6697

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.8054, 80.1557, 72.4490

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.0889, 81.2787, 51.6697 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(254, 231, 174)` looks like.

```
.text, #text, p{  
    color:rgb(254, 231, 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(254, 231, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 231, 174) }
```

Border

The CSS property to change the border of an element to XYZ 77.0889, 81.2787, 51.6697 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(254, 231, 174) }
```


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

```
.border{ border-color:rgb(254, 231, 174) }
```

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

Here you see how a box with a 4 pixel rgb(254, 231, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 231, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 231, 174);  
box-shadow:4px 4px 4px 4px rgb(254, 231,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 77.0889, 81.2787, 51.6697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 231, 174) }
```

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

```
.background{ background-color: rgb(254,  
231, 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](#).

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