

Converting Colors

XYZ(96.3961, 91.0426, 54.0688)

Have a look what the booklet for
XYZ(96.3961, 91.0426, 54.0688)
contains.

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Color

**XYZ(77.7517, 81.5862,
53.2447)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7B1
RGB	255, 231, 177
RGB Percent	100%, 91%, 69%
CMY	0.0000, 0.0941, 0.3059
CMYK	0.00, 0.09, 0.31, 0.00
HSL	42°, 100%, 85%
HSV	42°, 31%, 100%
XYZ	77.7517, 81.5862, 53.2447
YIQ	232.0200, 31.6380, -11.7060

Conversions

Conversions Part 2

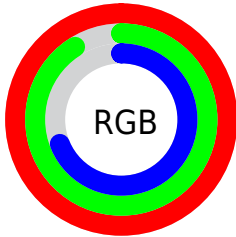
Format	Color
R_{YB}	212, 255, 177
Decimal	16770993
CIE Lab	92.39, 0.41, 29.31
CIE LCh	92, 29.317, 89.190
Yxy	81.5862, 0.3657, 0.3838
Android (android.graphics.Color)	4294961073 (0xFFFFE7B1)
YUV	232.0200, -27.1249, 20.1535
Hunter-Lab	90.3251, -4.4163, 28.2774

Details

The XYZ color **77.7517, 81.5862, 53.2447** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.0675, 58.3385, 102.8604**, and the grayscale version is **76.8986, 80.9033, 88.1037**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **42.1894, 44.3762, 25.4106** is the 20% darker color. If you saturate the color by 10%, you get **73.2979, 76.3729, 40.3706**, and if you desaturate by 10%, it is **82.7831, 87.1938, 68.6562**.

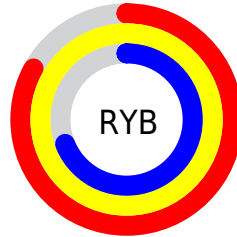
Distribution



Red (100%)

Green (91%)

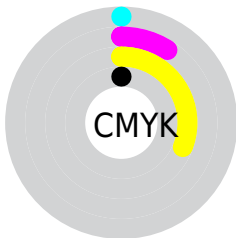
Blue (69%)



Red (83%)

Yellow (100%)

Blue (69%)

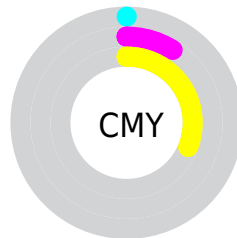


Cyan (0%)

Magenta (9%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7517, 81.5862, 53.2447 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 77.7517, 81.5862, 53.2447 by changing the saturation by 10% instead.


 77.7517, 81.5862,
53.2447

 77.7517, 81.5862,
53.2447


476.1759,
500.2625, 416.3161

 58.1721, 61.0245,
37.6091


 129.1673,
135.5936, 96.4095

 42.1908, 44.2449,
25.3800


161.7339,
169.8080, 124.7758

 29.4425, 30.8631,
16.1388


199.3603,
209.3422, 158.2228

 19.5618, 20.4946,
9.4670


242.4118,
254.5805, 197.1689

 12.1833, 12.7551,
4.9461

291.2538,
305.9072, 242.0328

 6.9417, 7.2601,
2.1575

346.2515,

 3.4717, 3.6253,

363.7069, 293.2329

0.6497

407.7705,
428.3639, 351.1878

■ 1.4078, 1.4663,
0.0000

■ 0.2618, 0.2648,
0.0000

■ 77.7517, 81.5862,
53.2447

■ 77.7517, 81.5862,
53.2447

■ 73.2979, 76.3729,
40.3706

■ 82.7831, 87.1938,
68.6562

■ 69.3876, 71.5295,
29.8888

■ 88.4114, 93.1967,
86.7292

■ 65.9925, 67.0455,
21.6473

94.6629, 99.6102,
107.5858

■ 63.0787, 62.9053,
15.4743

95.0500, 100.0000,
108.9000

■ 60.6076, 59.0912,
11.1730

■ 58.5332, 55.5826,
8.5077

■ 56.8750, 52.5299,
7.1417

Harmonies

Analogous

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



85.2650, 81.5862, 57.5470



77.7517, 81.5862, 53.2447



70.6413, 81.5862, 57.1058

Triad

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



77.7517, 81.5862, 53.2447



65.4866, 81.5862, 110.8233



90.7709, 81.5862, 112.0133

Complementary

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



77.7517, 81.5862, 53.2447



57.0675, 58.3385, 102.8604

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.



84.8849, 81.5862, 130.5582



77.7517, 81.5862, 53.2447



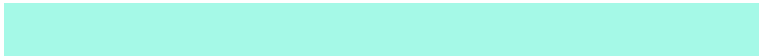
70.3061, 81.5862, 129.7960

Square

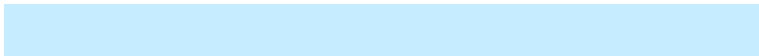
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7517, 81.5862, 53.2447



63.8455, 81.5862, 88.2440



77.3391, 81.5862, 137.5368



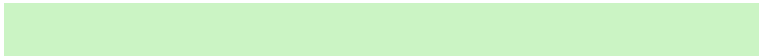
93.0767, 81.5862, 89.4256

Rectangle

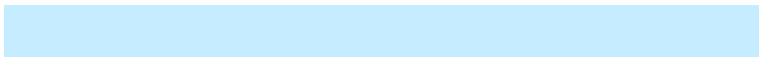
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.7517, 81.5862, 53.2447



67.0127, 81.5862, 64.2160



77.3391, 81.5862, 137.5368



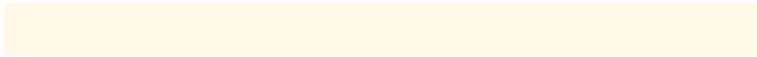
89.1273, 81.5862, 119.0537

Sweetspot

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



77.7538, 81.5899, 53.2464



89.3616, 94.1871, 89.8512



67.5879, 56.9552, 63.1231



18.9405, 19.9655, 18.6188



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.



77.7538, 81.5899, 53.2464



74.8321, 78.2008, 44.7068



79.8694, 93.3425, 55.4034



19.0621, 20.0923, 19.0179



29.8569, 27.7251, 3.7778



3.0040, 2.8934, 0.4002

Inverse Universe

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



57.0675, 58.3385, 102.8604



51.0203, 51.4464, 101.8488



55.3343, 49.7806, 101.2999



17.4587, 18.2890, 22.8599



10.9868, 6.8832, 50.1841



1.1617, 0.8540, 4.9169

Previews

White Background



This preview shows how the XYZ color 77.7517, 81.5862, 53.2447 looks on a white background.

Color Contrast Check

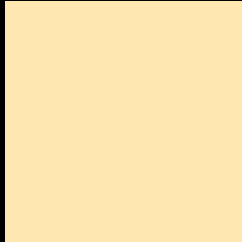
Large Text (above 18pt) WCAG AA × Fail

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 77.7517, 81.5862, 53.2447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

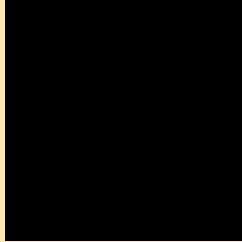
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7517, 81.5862, 53.2447

Background



This preview shows how black text looks on a background with the XYZ color 77.7517, 81.5862, 53.2447.



This preview shows how white text looks on a background with the XYZ color 77.7517, 81.5862,

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

77.7517, 81.5862, 53.2447

Protanopia

76.2417, 81.6319, 53.8576

Deuteranopia

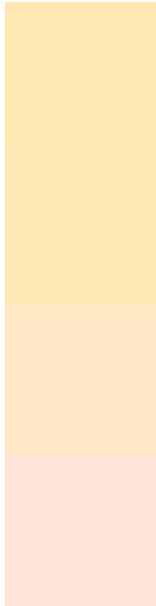
80.6445, 81.8527, 71.2232



Tritanopia

83.5978, 81.2835, 92.1721

Trichromacy



Original Color

77.7517, 81.5862, 53.2447

Protanomaly

76.6762, 81.4368, 53.7971

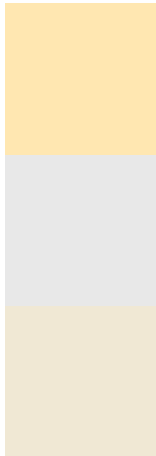
Deuteranomaly

79.6149, 81.8848, 64.4325

Tritanomaly

81.1038, 81.1560, 76.3558

Monochromacy



Original Color

77.7517, 81.5862, 53.2447

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.6755, 80.9920, 73.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7517, 81.5862, 53.2447 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, 231, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 177)  
}
```

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, 231, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 177) }
```

Border

The CSS property to change the border of an element to XYZ 77.7517, 81.5862, 53.2447 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, 231, 177) }
```


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

```
.border{ border-color:rgb(255, 231, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 231, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 231, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 231,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7517, 81.5862, 53.2447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 177) }
```

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

```
.background{ background-color: rgb(255,  
231, 177) }
```

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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