

Converting Colors

XYZ(77.7494, 81.4173, 53.7500)

Have a look what the booklet for
XYZ(77.7494, 81.4173, 53.7500)
contains.

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Color

**XYZ(77.8518, 81.6262,
53.7717)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7B2
RGB	255, 231, 178
RGB Percent	100%, 91%, 70%
CMY	0.0000, 0.0941, 0.3020
CMYK	0.00, 0.09, 0.30, 0.00
HSL	41°, 100%, 85%
HSV	41°, 30%, 100%
XYZ	77.8518, 81.6262, 53.7717
YIQ	232.1340, 31.3170, -11.3950

Conversions

Conversions Part 2

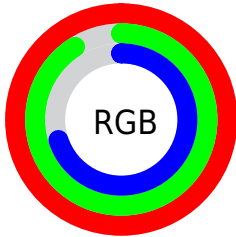
Format	Color
R _Y B	213, 255, 178
Decimal	16770994
CIE Lab	92.41, 0.54, 28.83
CIE LCh	92, 28.832, 88.930
Yxy	81.6262, 0.3651, 0.3828
Android (android.graphics.Color)	4294961074 (0xFFFFE7B2)
YUV	232.1340, -26.6881, 20.0535
Hunter-Lab	90.3472, -4.2950, 27.9556

Details

The XYZ color **77.8518, 81.6262, 53.7717** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **57.5301, 58.9242, 102.9491**, and the grayscale version is **76.9810, 80.9900, 88.1981**.

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 **73.3525, 76.3511, 40.7930**, and if you desaturate by 10%, it is **82.9321, 87.3010, 69.2939**.

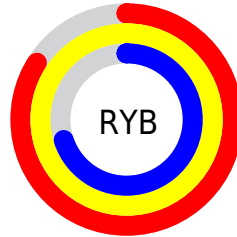
Distribution



Red (100%)

Green (91%)

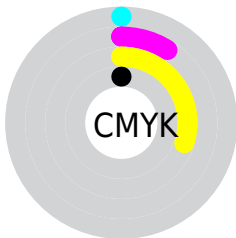
Blue (70%)



Red (84%)

Yellow (100%)

Blue (70%)

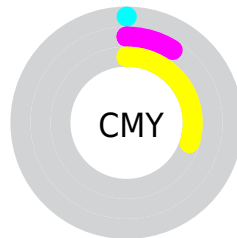


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.8518, 81.6262, 53.7717 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 77.8518, 81.6262, 53.7717 by changing the saturation by 10% instead.


 77.8518, 81.6262,
53.7717

 77.8518, 81.6262,
53.7717


476.5109,
500.3965, 418.3888

 58.2546, 61.0575,
38.0272


 129.3077,
135.6497, 97.1920

 42.2574, 44.2715,
25.7018


161.8970,
169.8732, 125.7049

 29.4949, 30.8840,
16.3769


199.5478,
209.4172, 159.3110

 19.6017, 20.5106,
9.6340

242.6254,
254.6659, 198.4289

 12.2124, 12.7667,
5.0546

291.4952,
306.0038, 243.4770

 6.9617, 7.2681,
2.2200

346.5225,

 3.4843, 3.6303,

363.8152, 294.8741

0.6859

408.0726,
428.4847, 353.0385

■ 1.4147, 1.4690,
0.0000

■ 0.2667, 0.2668,
0.0000

■ 77.8518, 81.6262,
53.7717

■ 77.8518, 81.6262,
53.7717

■ 73.3525, 76.3511,
40.7930

■ 82.9321, 87.3010,
69.2939

■ 69.4004, 71.4514,
30.2131

■ 88.6130, 93.3769,
87.4834

■ 65.9672, 66.9166,
21.8806

94.9205, 99.8690,
108.4619

■ 63.0191, 62.7309,
15.6247

95.0500, 100.0000,
108.9000

■ 60.5176, 58.8767,
11.2494

■ 58.4171, 55.3334,
8.5213

■ 56.6750, 52.1301,
7.0750

Harmonies

Analogous

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



85.2332, 81.6262, 58.0985



77.8518, 81.6262, 53.7717



70.8417, 81.6262, 57.5218

Triad

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



77.8518, 81.6262, 53.7717



65.6809, 81.6262, 110.2939



90.5454, 81.6262, 111.8376

Complementary

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



77.8518, 81.6262, 53.7717



57.5301, 58.9242, 102.9491

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.



84.7395, 81.6262, 129.9515



77.8518, 81.6262, 53.7717



70.4053, 81.6262, 128.9644

Square

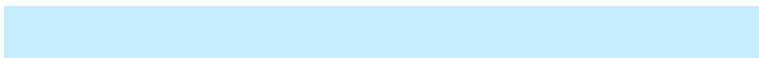
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.8518, 81.6262, 53.7717



64.0925, 81.6262, 88.1111



77.3153, 81.6262, 136.6663



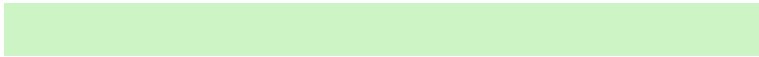
92.8456, 81.6262, 89.6475

Rectangle

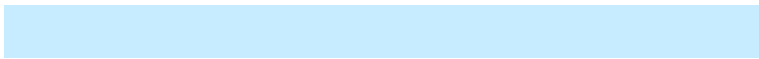
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.8518, 81.6262, 53.7717



67.2523, 81.6262, 64.5021



77.3153, 81.6262, 136.6663



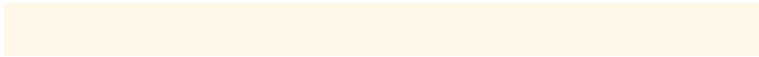
88.9214, 81.6262, 118.7286

Sweetspot

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



77.8538, 81.6299, 53.7734



89.3334, 94.1307, 89.8418



67.8671, 57.3841, 63.6155



18.9336, 19.9516, 18.6165



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.



77.8538, 81.6299, 53.7734



75.1724, 78.5187, 45.9380



80.0320, 93.4148, 55.9333



19.0557, 20.0796, 19.0157



29.7532, 27.5177, 3.7433



2.9945, 2.8744, 0.3970

Inverse Universe

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



57.5301, 58.9242, 102.9491



52.0023, 52.6418, 102.0278



55.7390, 50.2836, 101.3757



17.4648, 18.3011, 22.8619



11.0263, 6.9621, 50.1973



1.1661, 0.8629, 4.9184

Previews

White Background



This preview shows how the XYZ color 77.8518, 81.6262, 53.7717 looks on a white background.

Color Contrast Check

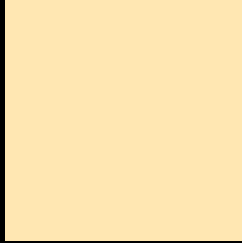
Large Text (above 18pt) WCAG AA × Fail

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 77.8518, 81.6262, 53.7717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

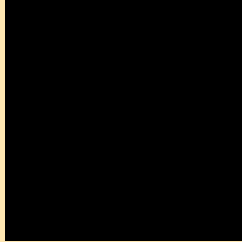
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.8518, 81.6262, 53.7717

Background



This preview shows how black text looks on a background with the XYZ color 77.8518, 81.6262, 53.7717.

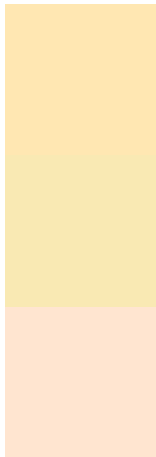


This preview shows how white text looks on a background with the XYZ color 77.8518, 81.6262,

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

77.8518, 81.6262, 53.7717

Protanopia

76.3425, 81.6722, 54.3885

Deuteranopia

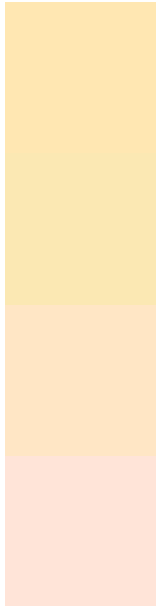
80.6445, 81.8527, 71.2232



Tritanopia

83.8690, 81.8258, 92.2625

Trichromacy



Original Color

77.8518, 81.6262, 53.7717

Protanomaly

76.7770, 81.4771, 54.3279

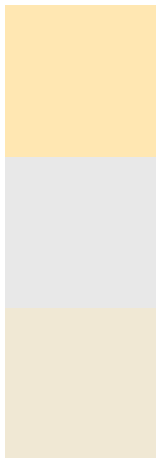
Deuteranomaly

79.6149, 81.8848, 64.4325

Tritanomaly

81.3781, 81.7047, 76.4472

Monochromacy



Original Color

77.8518, 81.6262, 53.7717

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 77.8518, 81.6262, 53.7717 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 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, 231, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 178) }
```

Border

The CSS property to change the border of an element to XYZ 77.8518, 81.6262, 53.7717 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, 178) }
```


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

```
.border{ border-color:rgb(255, 231, 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, 231, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 231, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 231, 178); box-shadow:4px 4px 4px 4px rgb(255, 231, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 77.8518, 81.6262, 53.7717 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, 178) }
```

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

```
.background{ background-color: rgb(255,  
231, 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](#).

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