

Converting Colors

XYZ(72.4750, 77.7045, 30.9173)

Have a look what the booklet for
XYZ(72.4750, 77.7045, 30.9173)
contains.

XYZ(72.4750, 77.7045, 30.9173)	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(72.4750, 77.7045,
30.9173)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE37E
RGB	255, 227, 126
RGB Percent	100%, 89%, 49%
CMY	0.0000, 0.1098, 0.5059
CMYK	0.00, 0.11, 0.51, 0.00
HSL	47°, 100%, 75%
HSV	47°, 51%, 100%
XYZ	72.4750, 77.7045, 30.9173
YIQ	223.8580, 49.1090, -25.4750

Conversions

Conversions Part 2

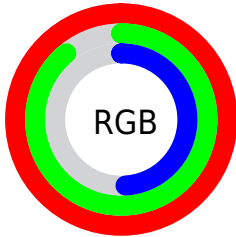
Format	Color
RYB	162, 255, 126
Decimal	16769918
CIELab	90.64, -2.88, 52.42
CIELCh	91, 52.495, 93.148
Yxy	77.7045, 0.4002, 0.4291
Android (android.graphics.Color)	4294959998 (0xFFFFE37E)
YUV	223.8580, -48.2440, 27.3115
Hunter-Lab	88.1502, -7.5042, 40.9101

Details

The XYZ color **72.4750, 77.7045, 30.9173** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.2095, 34.7657, 99.3041**, and the grayscale version is **71.0610, 74.7617, 81.4155**.

A 20% lighter version of the original color is **85.3405, 96.1162, 57.7704**, and **38.7535, 41.7352, 12.4917** is the 20% darker color. If you saturate the color by 10%, you get **69.5461, 74.1528, 22.8321**, and if you desaturate by 10%, it is **75.8757, 81.5285, 41.2302**.

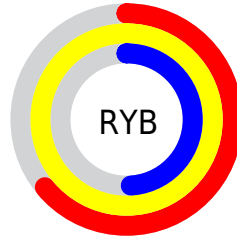
Distribution



Red (100%)

Green (89%)

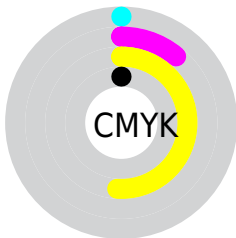
Blue (49%)



Red (64%)

Yellow (100%)

Blue (49%)

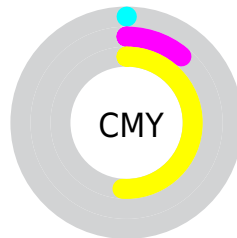


Cyan (0%)

Magenta (11%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4750, 77.7045, 30.9173 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 72.4750, 77.7045, 30.9173 by changing the saturation by 10% instead.


 72.4750, 77.7045,
30.9173


 72.4750, 77.7045,
30.9173


458.3252,
487.1627, 320.4965


 53.8336, 57.8313,
20.2779


 121.7388,
130.1335, 62.1879

 38.6988, 41.6730,
12.4112


 153.0919,
163.4580, 83.6562

 26.7052, 28.8453,
6.8984


 189.4130,
202.0351, 109.5713

 17.4874, 18.9639,
3.3212

231.0674,
246.2491, 140.3516

 10.6800, 11.6442,
1.2609

278.4204,
296.4845, 176.4158

 5.9178, 6.5019,
0.0294

331.8375,

 2.8353, 3.1526,

353.1256, 218.1823

0.0000

391.6840,
416.5569, 266.0697

■ 1.0673, 1.2119,
0.0000

■ 0.0000, 0.0714,
0.0000

■ 72.4750, 77.7045,
30.9173

■ 72.4750, 77.7045,
30.9173

■ 69.5461, 74.1528,
22.8321

■ 75.8757, 81.5285,
41.2302

■ 67.0503, 70.8486,
16.7984

■ 79.7721, 85.6265,
53.9196

■ 64.9518, 67.7797,
12.6212

■ 84.1929, 90.0135,
69.1267

■ 63.2055, 64.9273,
10.0653

■ 89.1632, 94.7002,
86.9804

■ 61.8162, 62.4126,
8.7888

94.7061, 99.6966,
107.6008

95.0499, 99.9999,
108.9000

Harmonies

Analogous

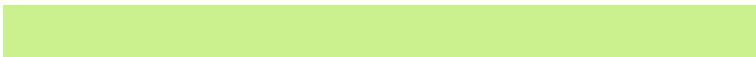
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8845, 77.7045, 35.0247



72.4750, 77.7045, 30.9173



60.8661, 77.7045, 37.2819

Triad

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



72.4750, 77.7045, 30.9173



54.6318, 77.7045, 130.7390



98.8085, 77.7045, 121.7412

Complementary

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



72.4750, 77.7045, 30.9173



38.2095, 34.7657, 99.3041

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.



88.5734, 77.7045, 160.9380



72.4750, 77.7045, 30.9173



63.0062, 77.7045, 167.1249

Square

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



72.4750, 77.7045, 30.9173



51.3625, 77.7045, 88.6491



75.2540, 77.7045, 179.5494



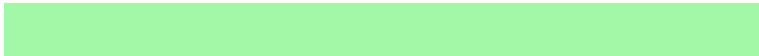
102.1108, 77.7045, 80.6897

Rectangle

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



72.4750, 77.7045, 30.9173



55.4026, 77.7045, 48.1628



75.2540, 77.7045, 179.5494



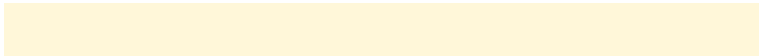
96.0093, 77.7045, 135.9347

Sweetspot

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



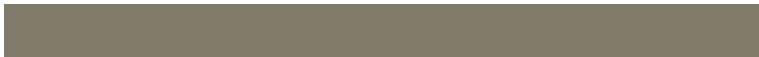
72.4769, 77.7081, 30.9189



86.9008, 92.5946, 78.7677



54.7105, 38.5862, 36.0622



18.3773, 19.6082, 16.0598



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.



72.4769, 77.7081, 30.9189



69.4348, 74.0117, 22.5436



69.2233, 88.3358, 33.1417



19.2071, 20.3823, 19.0662



32.4149, 32.8410, 4.6305



3.2351, 3.3556, 0.4772

Inverse Universe

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



38.2095, 34.7657, 99.3041



31.6606, 26.7294, 98.0983



40.0889, 29.6575, 98.2191



17.3225, 18.0166, 22.8145



10.2419, 5.3935, 49.9358



1.0731, 0.6770, 4.8874

Previews

White Background



This preview shows how the XYZ color 72.4750, 77.7045, 30.9173 looks on a white background.

Color Contrast Check

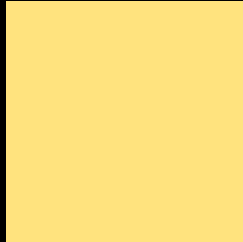
Large Text (above 18pt) WCAG AA × Fail

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 72.4750, 77.7045, 30.9173 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 72.4750, 77.7045, 30.9173

Background



This preview shows how black text looks on a background with the XYZ color 72.4750, 77.7045, 30.9173.



This preview shows how white text looks on a background with the XYZ color 72.4750, 77.7045,

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

72.4750, 77.7045, 30.9173

Protanopia

71.2930, 77.5024, 30.9406

Deuteranopia

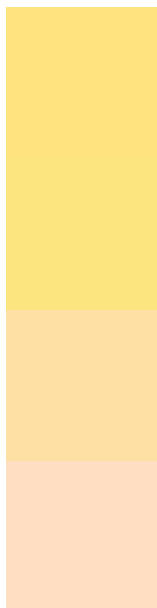
76.4906, 77.5805, 57.3974



Tritanopia

80.9953, 77.6926, 86.3286

Trichromacy



Original Color

72.4750, 77.7045, 30.9173

Protanomaly

71.6542, 77.6886, 30.9575

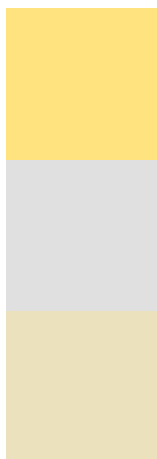
Deuteranomaly

74.5965, 77.2516, 46.1014

Tritanomaly

76.9869, 77.3528, 61.3250

Monochromacy



Original Color

72.4750, 77.7045, 30.9173

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

70.2633, 75.1434, 58.3778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4750, 77.7045, 30.9173 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, 227, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 126)  
}
```

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, 227, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 126) }
```

Border

The CSS property to change the border of an element to XYZ 72.4750, 77.7045, 30.9173 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, 227, 126) }
```


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

```
.border{ border-color:rgb(255, 227, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 227, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 227, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 227,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4750, 77.7045, 30.9173 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 126) }
```

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

```
.background{ background-color: rgb(255,  
227, 126) }
```

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