

Converting Colors

XYZ(77.8177, 84.1719, 45.7020)

Have a look what the booklet for
XYZ(77.8177, 84.1719, 45.7020)
contains.

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Color

**XYZ(77.9572, 84.4016,
45.9006)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDA1
RGB	255, 237, 161
RGB Percent	100%, 93%, 63%
CMY	0.0000, 0.0706, 0.3686
CMYK	0.00, 0.07, 0.37, 0.00
HSL	49°, 100%, 82%
HSV	49°, 37%, 100%
XYZ	77.9572, 84.4016, 45.9006
YIQ	233.7180, 35.1240, -19.8200

Conversions

Conversions Part 2

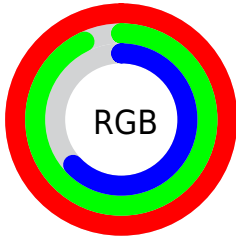
Format	Color
RYB	183, 255, 161
Decimal	16772513
CIELab	93.62, -4.49, 39.05
CIELCh	94, 39.303, 96.556
Yxy	84.4016, 0.3743, 0.4053
Android (android.graphics.Color)	4294962593 (0xFFFFEDA1)
YUV	233.7180, -35.8500, 18.6643
Hunter-Lab	91.8703, -9.3057, 34.6866

Details

The XYZ color **77.9572, 84.4016, 45.9006** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.8677, 47.0358, 101.1109**, and the grayscale version is **78.2392, 82.3137, 89.6396**.

A 20% lighter version of the original color is **89.3947, 97.7379, 79.1194**, and **42.2566, 46.0008, 20.8392** is the 20% darker color. If you saturate the color by 10%, you get **74.5405, 80.8072, 34.7762**, and if you desaturate by 10%, it is **81.8752, 88.2641, 59.4563**.

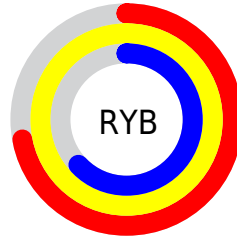
Distribution



Red (100%)

Green (93%)

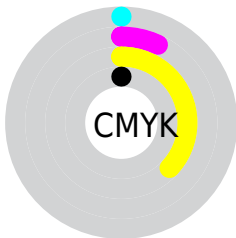
Blue (63%)



Red (72%)

Yellow (100%)

Blue (63%)

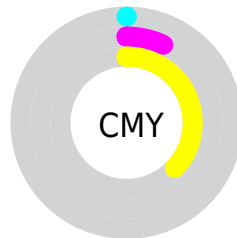


Cyan (0%)

Magenta (7%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.9572, 84.4016, 45.9006 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 77.9572, 84.4016, 45.9006 by changing the saturation by 10% instead.


 77.9572, 84.4016,
45.9006


 77.9572, 84.4016,
45.9006


476.8635,
509.6459, 386.6748

 58.3415, 63.3471,
31.8193

 129.4555,
139.5368, 85.4029

 42.3276, 46.1220,
20.9598


 162.0687,
174.3863, 111.6610

 29.5501, 32.3421,
12.9037


199.7452,
214.6028, 142.8152

 19.6437, 21.6230,
7.2323

242.8503,
260.5709, 179.2838

 12.2431, 13.5801,
3.5272

291.7493,
312.6748, 221.4856

 6.9828, 7.8292,
1.3697

346.8076,

 3.4976, 3.9859,

371.2990, 269.8390

0.1179

408.3905,
436.8279, 324.7626

■ 1.4220, 1.6657,
0.0000

■ 0.2718, 0.4013,
0.0000

■ 77.9572, 84.4016,
45.9006

■ 77.9572, 84.4016,
45.9006

■ 74.5405, 80.8072,
34.7762

■ 81.8752, 88.2641,
59.4563

■ 71.5904, 77.4576,
25.9301

■ 86.3142, 92.3940,
75.5736

■ 69.0777, 74.3434,
19.2000

■ 91.3003, 96.8053,
94.3794

■ 66.9666, 71.4500,
14.3997

95.0500, 100.0000,
108.9000

■ 65.2154, 68.7602,
11.3108

■ 63.7712, 66.2523,
9.6567

■ 63.3563, 65.4927,
9.3021

Harmonies

Analogous

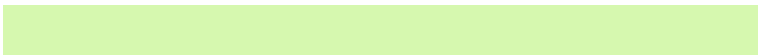
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4515, 84.4016, 48.6987



77.9572, 84.4016, 45.9006



68.8794, 84.4016, 53.1122

Triad

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



77.9572, 84.4016, 45.9006



65.1921, 84.4016, 130.4484



100.0234, 84.4016, 116.6459

Complementary

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



77.9572, 84.4016, 45.9006



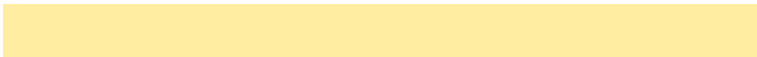
48.8677, 47.0358, 101.1109

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.



92.7443, 84.4016, 146.0697



77.9572, 84.4016, 45.9006



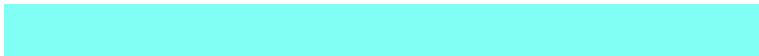
72.5179, 84.4016, 155.1676

Square

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



77.9572, 84.4016, 45.9006



61.9326, 84.4016, 98.6015



82.5286, 84.4016, 161.4285



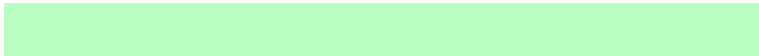
101.7964, 84.4016, 85.5073

Rectangle

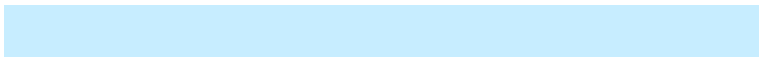
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.9572, 84.4016, 45.9006



64.6504, 84.4016, 63.7867



82.5286, 84.4016, 161.4285



98.1105, 84.4016, 127.2528

Sweetspot

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



77.9593, 84.4055, 45.9023



89.1691, 94.9451, 86.2634



62.2033, 50.0378, 49.4541



18.9409, 20.1940, 17.9168



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

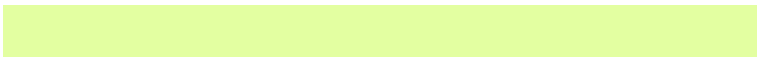
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.9593, 84.4055, 45.9023



75.4698, 81.8111, 37.7207



73.8089, 90.3917, 47.2766



19.2483, 20.4648, 19.0799



33.2104, 34.4319, 4.8957



3.3060, 3.4973, 0.5008

Inverse Universe

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



48.8677, 47.0358, 101.1109



42.6683, 39.6922, 100.0202



51.8316, 43.5552, 100.2828



17.2844, 17.9403, 22.8018



10.0810, 5.0716, 49.8822



1.0523, 0.6352, 4.8804

Previews

White Background



This preview shows how the XYZ color 77.9572, 84.4016, 45.9006 looks on a white background.

Color Contrast Check

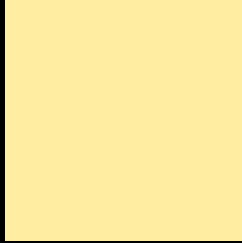
Large Text (above 18pt) WCAG AA × Fail

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 77.9572, 84.4016, 45.9006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

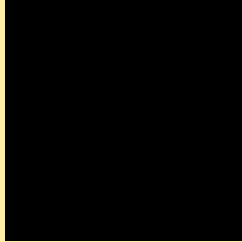
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9572, 84.4016, 45.9006

Background



This preview shows how black text looks on a background with the XYZ color 77.9572, 84.4016, 45.9006.



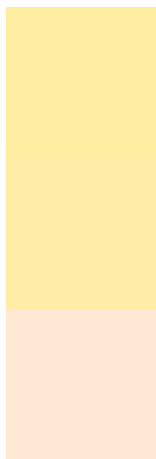
This preview shows how white text looks on a background with the XYZ color 77.9572, 84.4016,

45.9006.

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

77.9572, 84.4016, 45.9006

Protanopia

78.4992, 84.6184, 48.7548

Deuteranopia

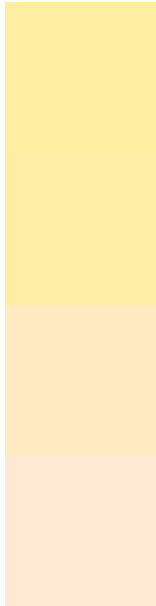
82.3892, 84.3419, 74.8880



Tritanopia

85.5638, 84.2644, 95.7594

Trichromacy



Original Color

77.9572, 84.4016, 45.9006

Protanomaly

78.3157, 84.5450, 47.7884

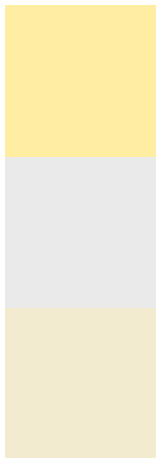
Deuteranomaly

80.4004, 84.0007, 63.0151

Tritanomaly

82.3892, 84.3419, 74.8880

Monochromacy



Original Color

77.9572, 84.4016, 45.9006

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

77.5888, 82.7989, 70.9239

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9572, 84.4016, 45.9006 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, 237, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 161)  
}
```

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, 237, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 161) }
```

Border

The CSS property to change the border of an element to XYZ 77.9572, 84.4016, 45.9006 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, 237, 161) }
```


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

```
.border{ border-color:rgb(255, 237, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9572, 84.4016, 45.9006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 161) }
```

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

```
.background{ background-color: rgb(255,  
237, 161) }
```

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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