

Converting Colors

XYZ(76.4238, 83.3262, 39.2497)

Have a look what the booklet for
XYZ(76.4238, 83.3262, 39.2497)
contains.

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Color

**XYZ(76.4238, 83.3262,
39.2497)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC92
RGB	255, 236, 146
RGB Percent	100%, 93%, 57%
CMY	0.0000, 0.0745, 0.4274
CMYK	0.00, 0.07, 0.43, 0.00
HSL	50°, 100%, 79%
HSV	50°, 43%, 100%
XYZ	76.4238, 83.3262, 39.2497
YIQ	231.4210, 40.2140, -23.9620

Conversions

Conversions Part 2

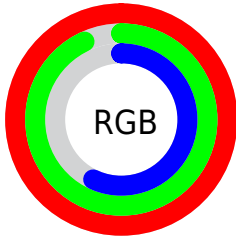
Format	Color
R_{YB}	169, 255, 146
Decimal	16772242
CIE _{Lab}	93.16, -5.56, 45.86
CIE _{LCh}	93, 46.199, 96.914
Yxy	83.3262, 0.3840, 0.4187
Android (android.graphics.Color)	4294962322 (0xFFFFEC92)
YUV	231.4210, -42.1126, 20.6788
Hunter-Lab	91.2832, -10.3024, 38.4049

Details

The XYZ color **76.4238, 83.3262, 39.2497** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3589, 40.2401, 100.0896**, and the grayscale version is **76.5543, 80.5411, 87.7093**.

A 20% lighter version of the original color is **87.5426, 96.9970, 69.3667**, and **41.3676, 45.3210, 17.1572** is the 20% darker color. If you saturate the color by 10%, you get **73.3945, 80.0958, 29.5214**, and if you desaturate by 10%, it is **79.9314, 86.8050, 51.3219**.

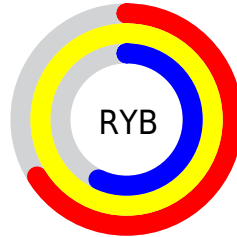
Distribution



Red (100%)

Green (93%)

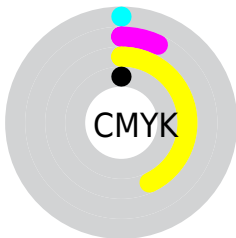
Blue (57%)



Red (66%)

Yellow (100%)

Blue (57%)

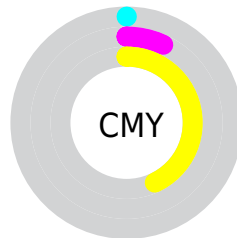


Cyan (0%)

Magenta (7%)

Yellow (43%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.4238, 83.3262, 39.2497 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 76.4238, 83.3262, 39.2497 by changing the saturation by 10% instead.


 76.4238, 83.3262,
39.2497

 76.4238, 83.3262,
39.2497


471.7193,
506.0730, 358.4086

 57.0784, 62.4593,
26.6447


 127.3030,
138.0322, 75.2442

 41.3085, 45.4039,
17.0765


 159.5674,
172.6402, 99.4707

 28.7490, 31.7757,
10.1265

196.8689,
212.5972, 128.4082

 19.0343, 21.1902,
5.3762

239.5727,
258.2877, 162.4752

 11.7992, 13.2631,
2.4071

288.0444,
310.0962, 202.0901

 6.6784, 7.6100,
0.7903

342.6491,

 3.3063, 3.8464,

368.4070, 247.6717

0.0000

403.7523,
433.6044, 299.6383

■ 1.3177, 1.5880,
0.0000

■ 0.1964, 0.3495,
0.0000

■ 76.4238, 83.3262,
39.2497

■ 76.4238, 83.3262,
39.2497

■ 73.3945, 80.0958,
29.5214

■ 79.9314, 86.8050,
51.3219

■ 70.8074, 77.0898,
21.9750

■ 83.9386, 90.5318,
65.8752

■ 68.6310, 74.2983,
16.4361

■ 88.4723, 94.5209,
83.0423

■ 66.8264, 71.7053,
12.7015

■ 93.5559, 98.7819,
102.9449

■ 65.3465, 69.2916, 95.0500, 100.0000,
10.5245 108.9000

■ 64.4262, 67.6325,
9.6587

Harmonies

Analogous

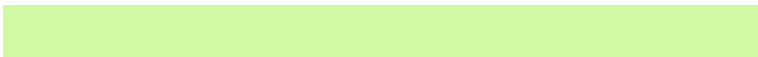
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.7039, 83.3262, 42.0988



76.4238, 83.3262, 39.2497



65.9970, 83.3262, 47.1056

Triad

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



76.4238, 83.3262, 39.2497



61.9719, 83.3262, 137.0654



102.6575, 83.3262, 119.5302

Complementary

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



76.4238, 83.3262, 39.2497



43.3589, 40.2401, 100.0896

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.



94.0539, 83.3262, 155.3205



76.4238, 83.3262, 39.2497



70.3987, 83.3262, 167.1169

Square

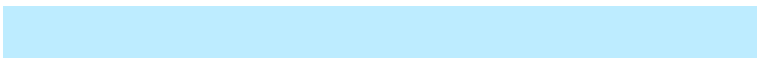
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.4238, 83.3262, 39.2497



58.2230, 83.3262, 99.0109



82.0407, 83.3262, 174.5344



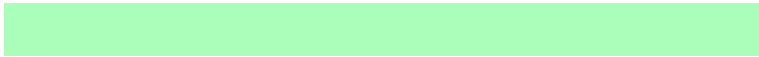
104.6903, 83.3262, 82.9206

Rectangle

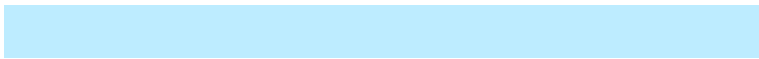
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.4238, 83.3262, 39.2497



61.2161, 83.3262, 58.9230



82.0407, 83.3262, 174.5344



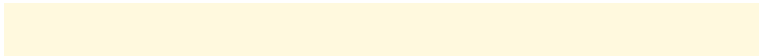
100.3982, 83.3262, 132.3088

Sweetspot

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



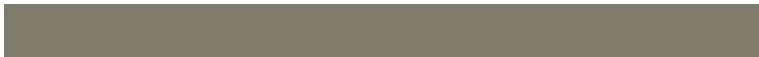
76.4258, 83.3300, 39.2514



88.3495, 94.4154, 82.5694



58.4009, 44.5712, 41.5944



18.6869, 20.0157, 16.8160



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.



76.4258, 83.3300, 39.2514



73.8903, 80.6431, 31.0565



70.6105, 88.8867, 40.6305



19.2761, 20.5203, 19.0892



33.7626, 35.5364, 5.0797



3.3549, 3.5952, 0.5171

Inverse Universe

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



43.3589, 40.2401, 100.0896



37.0293, 32.6345, 98.9552



47.2726, 37.5442, 99.3630



17.2588, 17.8893, 22.7933



9.9845, 4.8785, 49.8500



1.0392, 0.6092, 4.8761

Previews

White Background



This preview shows how the XYZ color 76.4238, 83.3262, 39.2497 looks on a white background.

Color Contrast Check

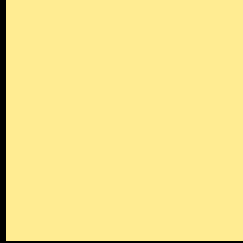
Large Text (above 18pt) WCAG AA × Fail

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 76.4238, 83.3262, 39.2497 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 76.4238, 83.3262, 39.2497

Background



This preview shows how black text looks on a background with the XYZ color 76.4238, 83.3262, 39.2497.

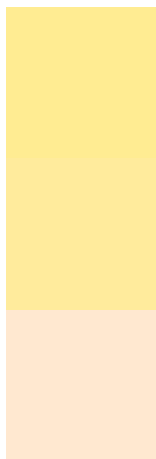


This preview shows how white text looks on a background with the XYZ color 76.4238, 83.3262,

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

76.4238, 83.3262, 39.2497

Protanopia

76.9491, 83.0770, 43.4323

Deuteranopia

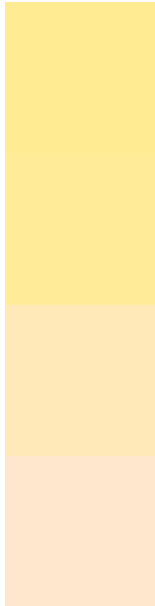
81.4818, 83.5273, 71.5023



Tritanopia

84.7116, 83.0381, 94.0012

Trichromacy



Original Color

76.4238, 83.3262, 39.2497

Protanomaly

76.6158, 82.9437, 41.6774

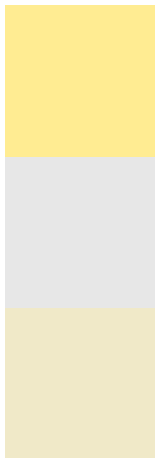
Deuteranomaly

79.1359, 83.0406, 57.7565

Tritanomaly

80.9565, 82.8681, 70.1208

Monochromacy



Original Color

76.4238, 83.3262, 39.2497

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.4994, 80.9732, 66.2937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.4238, 83.3262, 39.2497 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, 236, 146)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 146)  
}
```

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, 236, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 146) }
```

Border

The CSS property to change the border of an element to XYZ 76.4238, 83.3262, 39.2497 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, 236, 146) }
```


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

```
.border{ border-color:rgb(255, 236, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 236, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 236, 146); box-shadow:4px 4px 4px 4px rgb(255, 236, 146) }
```

Background

The CSS property to change the background color of an element to XYZ 76.4238, 83.3262, 39.2497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 146) }
```

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

```
.background{ background-color: rgb(255,  
236, 146) }
```

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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