

Converting Colors

XYZ(76.3778, 83.9613, 36.9930)

Have a look what the booklet for
XYZ(76.3778, 83.9613, 36.9930)
contains.

XYZ(76.2578, 83.7218, 36.9517)	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(76.2578, 83.7218,
36.9517)**

Conversions

Conversions Part 1

Format	Color
Hex	FFED8C
RGB	255, 237, 140
RGB Percent	100%, 93%, 55%
CMY	0.0000, 0.0706, 0.4510
CMYK	0.00, 0.07, 0.45, 0.00
HSL	51°, 100%, 77%
HSV	51°, 45%, 100%
XYZ	76.2578, 83.7218, 36.9517
YIQ	231.3240, 41.8650, -26.3510

Conversions

Conversions Part 2

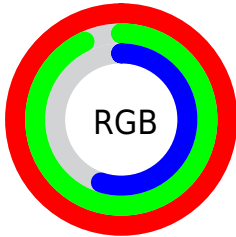
Format	Color
RYB	161, 255, 140
Decimal	16772492
CIELab	93.33, -6.64, 48.99
CIELCh	93, 49.443, 97.720
Yxy	83.7218, 0.3872, 0.4251
Android (android.graphics.Color)	4294962572 (0xFFFFE8C)
YUV	231.3240, -45.0227, 20.7639
Hunter-Lab	91.4996, -11.3585, 40.1057

Details

The XYZ color **76.2578, 83.7218, 36.9517** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.0919, 37.2481, 99.6313**, and the grayscale version is **76.5020, 80.4861, 87.6494**.

A 20% lighter version of the original color is **86.8503, 96.7201, 65.7211**, and **41.0091, 45.4716, 15.6323** is the 20% darker color. If you saturate the color by 10%, you get **73.4495, 80.7736, 27.7898**, and if you desaturate by 10%, it is **79.5316, 86.9034, 48.4200**.

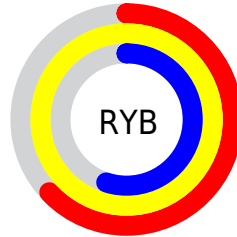
Distribution



Red (100%)

Green (93%)

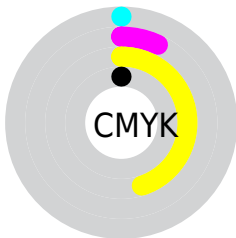
Blue (55%)



Red (63%)

Yellow (100%)

Blue (55%)

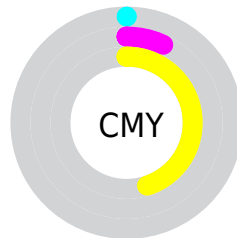


Cyan (0%)

Magenta (7%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.2578, 83.7218, 36.9517 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 76.2578, 83.7218, 36.9517 by changing the saturation by 10% instead.


 76.2578, 83.7218,
36.9517


 76.2578, 83.7218,
36.9517


471.1606,
507.3890, 348.2638


 56.9417, 62.7858,
24.8746


 127.0697,
138.5859, 71.6840

 41.1984, 45.6679,
15.7655


 159.2962,
173.2829, 95.1763

 28.6625, 31.9839,
9.2058


 196.5569,
213.3355, 123.3107

 18.9687, 21.3492,
4.7770

239.2171,
259.1283, 156.5058

 11.7515, 13.3795,
2.0606

287.6422,
311.0457, 195.1801

 6.6457, 7.6904,
0.5922

342.1976,

 3.2859, 3.8975,

369.4720, 239.7522

0.0000

403.2486,
434.7916, 290.6405

■ 1.3067, 1.6164,
0.0000

■ 0.1882, 0.3686,
0.0000

■ 76.2578, 83.7218,
36.9517

■ 76.2578, 83.7218,
36.9517

■ 73.4495, 80.7736,
27.7898

■ 79.5316, 86.9034,
48.4200

■ 71.0699, 78.0347,
20.7683

■ 83.2925, 90.3182,
62.3350

■ 69.0864, 75.4949,
15.7074

■ 87.5680, 93.9806,
78.8318

■ 67.4587, 73.1377,
12.3955

■ 92.3819, 97.9001,
98.0342

■ 66.1370, 70.9429, 95.0499, 99.9999,
10.5717 108.9000

■ 65.5660, 69.9122,
10.0387

Harmonies

Analogous

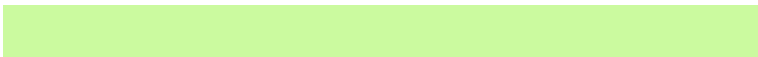
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4540, 83.7218, 39.5893



76.2578, 83.7218, 36.9517



65.2140, 83.7218, 45.3762

Triad

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



76.2578, 83.7218, 36.9517



61.3615, 83.7218, 142.4636



105.0748, 83.7218, 121.1494

Complementary

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



76.2578, 83.7218, 36.9517



41.0919, 37.2481, 99.6313

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.



95.9033, 83.7218, 160.4868



76.2578, 83.7218, 36.9517



70.4516, 83.7218, 174.9494

Square

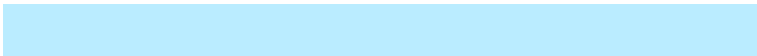
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2578, 83.7218, 36.9517



57.2463, 83.7218, 101.1378



82.9872, 83.7218, 182.3172



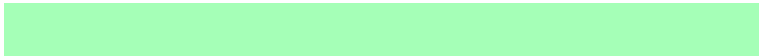
107.0647, 83.7218, 81.8588

Rectangle

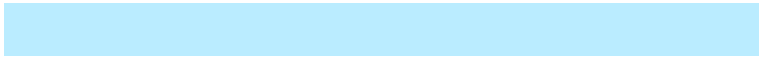
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2578, 83.7218, 36.9517



60.2222, 83.7218, 57.9653



82.9872, 83.7218, 182.3172



102.6846, 83.7218, 135.0853

Sweetspot

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



76.2598, 83.7257, 36.9534



88.0696, 94.3980, 80.8040



56.8911, 42.5260, 38.0877



18.6408, 20.0300, 16.4717



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

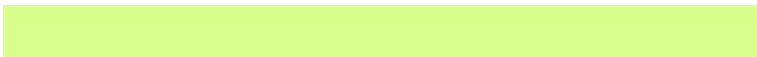
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2598, 83.7257, 36.9534



73.7363, 81.0870, 28.6873



69.0103, 88.1142, 38.1826



19.3049, 20.5780, 19.0988



34.3507, 36.7126, 5.2758



3.4069, 3.6991, 0.5344

Inverse Universe

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



41.0919, 37.2481, 99.6313



34.6367, 29.4432, 98.4653



45.8656, 35.4817, 99.0388



17.2325, 17.8365, 22.7845



9.8939, 4.6973, 49.8198



1.0266, 0.5839, 4.8719

Previews

White Background



This preview shows how the XYZ color 76.2578, 83.7218, 36.9517 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 76.2578, 83.7218, 36.9517 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 76.2578, 83.7218, 36.9517

Background



This preview shows how black text looks on a background with the XYZ color 76.2578, 83.7218, 36.9517.



This preview shows how white text looks on a background with the XYZ color 76.2578, 83.7218,

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

76.2578, 83.7218, 36.9517

Protanopia

77.4935, 83.7541, 44.8827

Deuteranopia

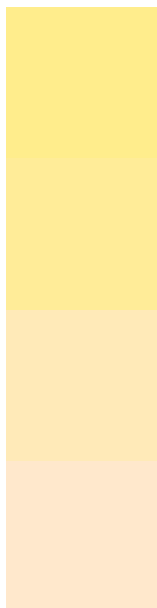
81.6052, 83.5767, 72.1525



Tritanopia

84.9875, 83.5899, 94.0932

Trichromacy



Original Color

76.2578, 83.7218, 36.9517

Protanomaly

76.9029, 83.5179, 41.7731

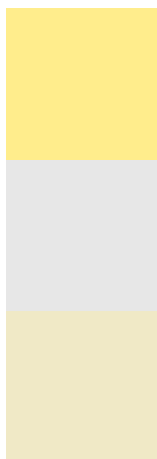
Deuteranomaly

79.3145, 83.5663, 57.2970

Tritanomaly

80.9957, 83.3329, 68.9427

Monochromacy



Original Color

76.2578, 83.7218, 36.9517

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

75.2671, 80.8803, 65.0705

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2578, 83.7218, 36.9517 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, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 140)  
}
```

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, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 140) }
```

Border

The CSS property to change the border of an element to XYZ 76.2578, 83.7218, 36.9517 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, 140) }
```


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

```
.border{ border-color:rgb(255, 237, 140) }
```

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, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2578, 83.7218, 36.9517 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, 140) }
```

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

```
.background{ background-color: rgb(255,  
237, 140) }
```

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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