

Converting Colors

XYZ(76.8754, 82.9670, 45.0962)

Have a look what the booklet for
XYZ(76.8754, 82.9670, 45.0962)
contains.

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Color

**XYZ(76.9265, 83.0256,
45.2288)**

Conversions

Conversions Part 1

Format	Color
Hex	FEEBA0
RGB	254, 235, 160
RGB Percent	100%, 92%, 63%
CMY	0.0039, 0.0784, 0.3725
CMYK	0.00, 0.07, 0.37, 0.00
HSL	48°, 98%, 81%
HSV	48°, 37%, 100%
XYZ	76.9265, 83.0256, 45.2288
YIQ	232.1310, 35.3990, -19.2970

Conversions

Conversions Part 2

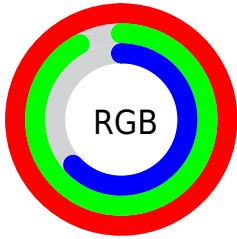
Format	Color
RYB	184, 254, 160
Decimal	16706464
CIELab	93.03, -3.98, 38.75
CIELCh	93, 38.952, 95.861
Yxy	83.0256, 0.3749, 0.4046
Android (android.graphics.Color)	4294896544 (0xFFFEBA0)
YUV	232.1310, -35.5606, 19.1791
Hunter-Lab	91.1184, -8.7589, 34.3529

Details

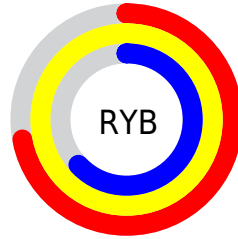
The XYZ color **76.9265, 83.0256, 45.2288** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.5062, 46.8680, 100.2556**, and the grayscale version is **77.0410, 81.0532, 88.2669**.

A 20% lighter version of the original color is **89.2657, 97.6863, 78.4405**, and **41.5389, 45.0375, 20.4137** is the 20% darker color. If you saturate the color by 10%, you get **73.4800, 79.3326, 34.2151**, and if you desaturate by 10%, it is **80.8735, 86.9926, 58.6507**.

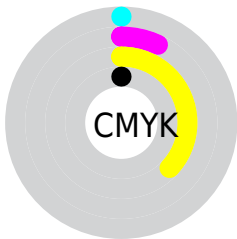
Distribution



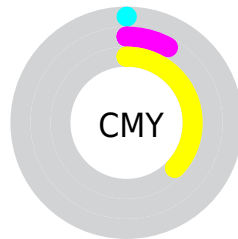
- Red (100%)
- Green (92%)
- Blue (63%)



- Red (72%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (7%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.9265, 83.0256, 45.2288 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 76.9265, 83.0256, 45.2288 by changing the saturation by 10% instead.


 76.9265, 83.0256,
45.2288


 76.9265, 83.0256,
45.2288


473.4092,
505.0718, 383.8865

 57.4923, 62.2113,
31.2934


 128.0091,
137.6113, 84.3857

 41.6423, 45.2034,
20.5620


 160.3882,
172.1515, 110.4444

 29.0112, 31.6177,
12.6161

197.8130,
212.0357, 141.3812

 19.2336, 21.0697,
7.0371

240.6487,
257.6484, 177.6147

 11.9442, 13.1749,
3.4065

289.2609,
309.3740, 219.5634

 6.7776, 7.5491,
1.3058

344.0148,

 3.3685, 3.8078,

367.5968, 267.6459

0.0665

405.2758,
432.7013, 322.2808

■ 1.3515, 1.5666,
0.0000

■ 0.2213, 0.3350,
0.0000

■ 76.9265, 83.0256,
45.2288

■ 76.9265, 83.0256,
45.2288

■ 73.4800, 79.3326,
34.2151

■ 80.8735, 86.9926,
58.6507

■ 70.4997, 75.8903,
25.4578

■ 85.3406, 91.2331,
74.6100

■ 67.9564, 72.6896,
18.7958

■ 90.3539, 95.7610,
93.2327

■ 65.8145, 69.7155,
14.0445

94.6830, 99.8108,
108.8828

■ 64.0327, 66.9511,
10.9870

■ 62.5581, 64.3744,
9.3467

■ 62.1526, 63.6301,
9.0060

Harmonies

Analogous

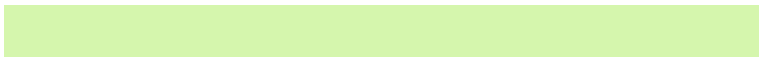
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2131, 83.0256, 48.2036



76.9265, 83.0256, 45.2288



67.9672, 83.0256, 52.0764

Triad

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



76.9265, 83.0256, 45.2288



64.0548, 83.0256, 127.4806



98.2086, 83.0256, 115.3854

Complementary

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



76.9265, 83.0256, 45.2288



48.5062, 46.8680, 100.2556

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.



90.9758, 83.0256, 144.0224



76.9265, 83.0256, 45.2288



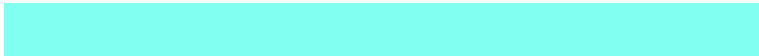
71.1576, 83.0256, 151.9929

Square

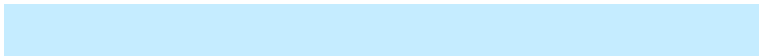
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.9265, 83.0256, 45.2288



60.9586, 83.0256, 96.2616



80.9341, 83.0256, 158.6200



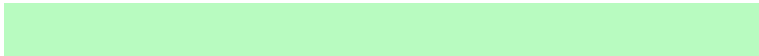
100.0871, 83.0256, 84.7827

Rectangle

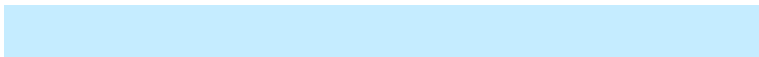
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.9265, 83.0256, 45.2288



63.7609, 83.0256, 62.3880



80.9341, 83.0256, 158.6200



96.2942, 83.0256, 125.7488

Sweetspot

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



76.9286, 83.0294, 45.2305



89.0767, 94.7602, 86.2326



61.7200, 49.5236, 49.6831



18.9187, 20.1497, 17.9094



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

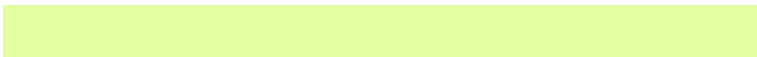
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9286, 83.0294, 45.2305



75.1321, 81.1357, 37.6081



73.5816, 89.8123, 46.7161



19.2312, 20.4305, 19.0742



32.8757, 33.7625, 4.7841



3.2762, 3.4378, 0.4909

Inverse Universe

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



48.5062, 46.8680, 100.2556



42.8834, 40.1223, 100.0919



50.8649, 42.8170, 99.3494



17.3002, 17.9720, 22.8071



10.1454, 5.2004, 49.9036



1.0607, 0.6521, 4.8832

Previews

White Background



This preview shows how the XYZ color 76.9265, 83.0256, 45.2288 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 76.9265, 83.0256, 45.2288 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 76.9265, 83.0256, 45.2288

Background



This preview shows how black text looks on a background with the XYZ color 76.9265, 83.0256, 45.2288.



This preview shows how white text looks on a background with the XYZ color 76.9265, 83.0256,

45.2288.

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

76.9265, 83.0256, 45.2288

Protanopia

76.9265, 83.0256, 45.2288

Deuteranopia

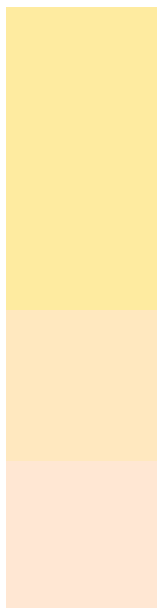
81.3245, 83.0153, 72.0589



Tritanopia

84.7116, 83.0381, 94.0012

Trichromacy



Original Color

76.9265, 83.0256, 45.2288

Protanomaly

76.9265, 83.0256, 45.2288

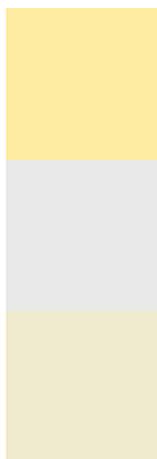
Deuteranomaly

79.5006, 82.7348, 61.0695

Tritanomaly

81.5738, 83.1150, 73.3714

Monochromacy



Original Color

76.9265, 83.0256, 45.2288

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

76.2147, 81.2593, 70.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.9265, 83.0256, 45.2288 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(254, 235, 160)` looks like.

```
.text, #text, p{  
    color:rgb(254, 235, 160)  
}
```

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(254, 235, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 235, 160) }
```

Border

The CSS property to change the border of an element to XYZ 76.9265, 83.0256, 45.2288 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(254, 235, 160) }
```


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

```
.border{ border-color:rgb(254, 235, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 235, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 235, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 235, 160);  
box-shadow:4px 4px 4px 4px rgb(254, 235,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 76.9265, 83.0256, 45.2288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 235, 160) }
```

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

```
.background{ background-color: rgb(254,  
235, 160) }
```

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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