

Converting Colors

XYZ(67.4311, 76.3897, 11.1927)

Have a look what the booklet for
XYZ(67.4311, 76.3897, 11.1927)
contains.

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Color

**XYZ(67.4437, 76.3626,
11.1848)**

Conversions

Conversions Part 1

Format	Color
Hex	FAE500
RGB	250, 229, 0
RGB Percent	98%, 90%, 0%
CMY	0.0196, 0.1019, 0.9999
CMYK	0.00, 0.08, 1.00, 0.02
HSL	55°, 100%, 49%
HSV	55°, 100%, 98%
XYZ	67.4437, 76.3626, 11.1848
YIQ	209.1730, 86.0250, -66.7670

Conversions

Conversions Part 2

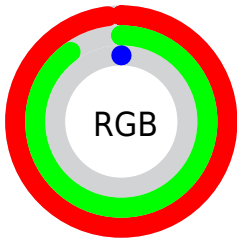
Format	Color
R _Y B	23, 250, 0
Decimal	16442624
CIE Lab	90.03, -11.05, 89.14
CIE LCh	90, 89.821, 97.064
Yxy	76.3626, 0.4351, 0.4927
Android (android.graphics.Color)	4294632704 (0xFFFAE500)
YUV	209.1730, -103.1223, 35.8053
Hunter-Lab	87.3857, -15.1599, 53.5813

Details

The XYZ color **67.4437, 76.3626, 11.1848** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **17.5242, 7.4395, 90.9542**, and the grayscale version is **61.3348, 64.5290, 70.2720**.

A 20% lighter version of the original color is **78.8883, 93.5353, 23.7938**, and **36.1223, 41.0909, 6.0275** is the 20% darker color. If you saturate the color by 10%, you get **67.4445, 76.3647, 11.1852**, and if you desaturate by 10%, it is **68.2056, 77.6055, 12.3061**.

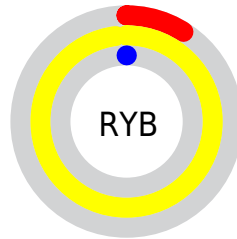
Distribution



Red (98%)

Green (90%)

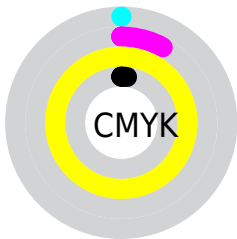
Blue (0%)



Red (9%)

Yellow (98%)

Blue (0%)

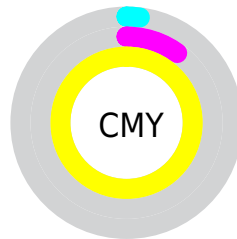


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (10%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.4437, 76.3626, 11.1848 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 67.4437, 76.3626, 11.1848 by changing the saturation by 10% instead.

67.4437, 76.3626,
11.1848

67.4437, 76.3626,
11.1848

440.9302,
482.5880, 209.7138

49.7173, 56.7299,
6.0755

114.6022,
128.2393, 28.6432

35.4057, 40.7884,
2.8215

144.7651,
161.2521, 41.8295

24.1435, 28.1538,
1.0042

179.8042,
199.4938, 58.5452

15.5655, 18.4416,
0.0000

220.0849,
243.3486, 79.2088

9.3061, 11.2675,
0.0000

265.9724,
293.2011, 104.2390

5.0001, 6.2471,
0.0000

317.8323,

2.2821, 2.9959,

349.4355, 134.0541

0.0000

376.0297,
412.4364, 169.0729

■ 0.7855, 1.1296,
0.0000

■ 0.0000, 0.0030,
0.0000

■ 67.4437, 76.3626,
11.1848

■ 67.4437, 76.3626,
11.1848

■ 67.4445, 76.3647,
11.1852

■ 68.2056, 77.6055,
12.3061

■ 69.1977, 78.9488,
14.6128

■ 70.4910, 80.4239,
18.4704

■ 72.1274, 82.0476,
24.0999

■ 74.1422, 83.8341,
31.6866

■ 76.5660, 85.7956,
41.3923

■ 79.4266, 87.9433,
53.3623

■ 82.7490, 90.2872,
67.7288

■ 86.5564, 92.8367,
84.6140

Harmonies

Analogous

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



90.5673, 76.3626, 13.6456



67.4437, 76.3626, 11.1848



49.7224, 76.3626, 18.6806

Triad

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



67.4437, 76.3626, 11.1848



43.5076, 76.3626, 181.0482



119.5553, 76.3626, 140.6367

Complementary

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



67.4437, 76.3626, 11.1848



17.5242, 7.4395, 90.9542

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.



101.5488, 76.3626, 224.2996



67.4437, 76.3626, 11.1848



57.1480, 76.3626, 254.7942

Square

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



67.4437, 76.3626, 11.1848



37.8557, 76.3626, 99.1474



77.9714, 76.3626, 273.7241



123.8720, 76.3626, 68.9659

Rectangle

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



67.4437, 76.3626, 11.1848



42.2626, 76.3626, 32.7262



77.9714, 76.3626, 273.7241



114.7470, 76.3626, 169.1685

Sweetspot

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



67.4454, 76.3662, 11.1863



83.0708, 91.9837, 55.7595



39.6002, 20.3949, 2.7708



17.4981, 19.4802, 10.7409



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.



67.4454, 76.3662, 11.1863



70.5447, 79.8694, 11.6982



46.7655, 74.8561, 11.9848



18.5954, 19.9266, 18.3285



35.8273, 40.6112, 5.9504



3.3539, 3.8327, 0.5630

Inverse Universe

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



17.5242, 7.4395, 90.9542



18.3259, 7.7717, 95.1420



22.5132, 9.6132, 91.1109



16.4002, 16.8772, 21.7785



9.3358, 4.0272, 48.2588



0.9035, 0.4507, 4.4825

Previews

White Background



This preview shows how the XYZ color 67.4437, 76.3626, 11.1848 looks on a white background.

Color Contrast Check

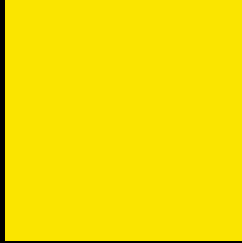
Large Text (above 18pt) WCAG AA × Fail

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 67.4437, 76.3626, 11.1848 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 67.4437, 76.3626, 11.1848

Background



This preview shows how black text looks on a background with the XYZ color 67.4437, 76.3626, 11.1848.



This preview shows how white text looks on a background with the XYZ color 67.4437, 76.3626,

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

67.4437, 76.3626, 11.1848

Protanopia

69.0589, 76.3381, 12.9287

Deuteranopia

74.7364, 76.0289, 50.7804



Tritanopia

79.9387, 76.0289, 84.5906

Trichromacy



Original Color

67.4437, 76.3626, 11.1848

Protanomaly

68.4163, 76.4354, 12.0117

Deuteranomaly

70.0329, 75.3417, 25.8902

Tritanomaly

71.5528, 74.6709, 37.8358

Monochromacy



Original Color

67.4437, 76.3626, 11.1848

Achromatopsia

60.6036, 63.7597, 69.4343

Achromatomaly

59.5300, 66.6525, 31.9180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.4437, 76.3626, 11.1848 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(250, 229, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 229, 0)  
}
```

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(250, 229, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 229, 0) }
```

Border

The CSS property to change the border of an element to XYZ 67.4437, 76.3626, 11.1848 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(250, 229, 0) }
```


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

```
.border{ border-color:rgb(250, 229, 0) }
```

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

Here you see how a box with a 4 pixel rgb(250, 229, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 229, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 229, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 229,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 67.4437, 76.3626, 11.1848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 229, 0) }
```

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

```
.background{ background-color: rgb(250,  
229, 0) }
```

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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