

Converting Colors

XYZ(69.9194, 78.0779, 13.1574)

Have a look what the booklet for
XYZ(69.9194, 78.0779, 13.1574)
contains.

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Color

**XYZ(69.8707, 77.9872,
13.1207)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE625
RGB	255, 230, 37
RGB Percent	100%, 90%, 15%
CMY	0.0000, 0.0980, 0.8549
CMYK	0.00, 0.10, 0.85, 0.00
HSL	53°, 100%, 57%
HSV	53°, 85%, 100%
XYZ	69.8707, 77.9872, 13.1207
YIQ	215.4730, 76.8530, -54.7230

Conversions

Conversions Part 2

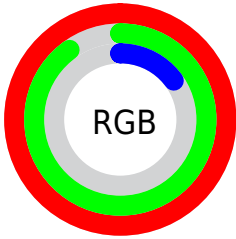
Format	Color
RYB	65, 255, 37
Decimal	16770597
CIELab	90.77, -8.98, 85.31
CIELCh	91, 85.778, 96.008
Yxy	77.9872, 0.4340, 0.4845
Android (android.graphics.Color)	4294960677 (0xFFFFE625)
YUV	215.4730, -87.9872, 34.6652
Hunter-Lab	88.3104, -13.3149, 53.0082

Details

The XYZ color **69.8707, 77.9872, 13.1207** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **20.5360, 11.0590, 95.6591**, and the grayscale version is **65.4569, 68.8657, 74.9948**.

A 20% lighter version of the original color is **79.5498, 93.7999, 27.2771**, and **37.5781, 42.1293, 6.1512** is the 20% darker color. If you saturate the color by 10%, you get **68.7949, 76.2690, 11.4279**, and if you desaturate by 10%, it is **71.2424, 79.8517, 16.2893**.

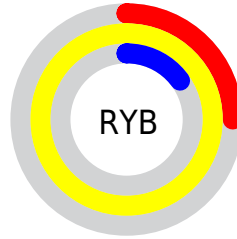
Distribution



Red (100%)

Green (90%)

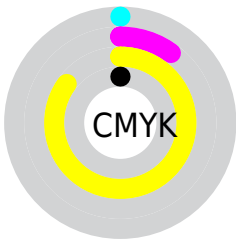
Blue (15%)



Red (25%)

Yellow (100%)

Blue (15%)

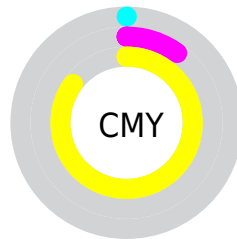


Cyan (0%)

Magenta (10%)

Yellow (85%)

Black (0%)



Cyan (0%)

Magenta (10%)

Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.8707, 77.9872, 13.1207 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 69.8707, 77.9872, 13.1207 by changing the saturation by 10% instead.

69.8707, 77.9872,
13.1207

69.8707, 77.9872,
13.1207

449.3694,
488.1234, 222.9247

51.7003, 58.0635,
7.3800

118.0516,
130.5321, 32.2148

36.9896, 41.8597,
3.6188

148.7929,
163.9220, 46.4053

25.3731, 28.9914,
1.4187

184.4552,
202.5695, 64.2495

16.4854, 19.0743,
0.1562

225.4039,
246.8588, 86.1659

9.9613, 11.7240,
0.0000

272.0043,
297.1745, 112.5731

5.4354, 6.5560,
0.0000

324.6217,

2.5423, 3.1860,

353.9009, 143.8896

0.0000

383.6217,
417.4224, 180.5340

■ 0.9166, 1.2296,
0.0000

■ 0.0000, 0.0857,
0.0000

■ 69.8707, 77.9872,
13.1207

■ 69.8707, 77.9872,
13.1207

■ 68.7949, 76.2690,
11.4279


■ 71.2424, 79.8517,
16.2893


■ 68.3717, 75.5241,
10.9740


■ 72.9550, 81.8714,
21.1925


■ 75.0505, 84.0664,
28.0448

■ 77.5638, 86.4506,
37.0288

 80.5256, 89.0365,
48.3058

 83.9637, 91.8352,
62.0218

 87.9034, 94.8571,
78.3106

 92.3685, 98.1116,
97.2962

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



92.2864, 77.9872, 16.0849



69.8707, 77.9872, 13.1207



52.3309, 77.9872, 20.5402

Triad

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



69.8707, 77.9872, 13.1207



45.3981, 77.9872, 175.5577



118.8031, 77.9872, 142.9007

Complementary

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



69.8707, 77.9872, 13.1207



20.5360, 11.0590, 95.6591

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.



101.2577, 77.9872, 221.6735



69.8707, 77.9872, 13.1207



58.5169, 77.9872, 246.0712

Square

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



69.8707, 77.9872, 13.1207



40.0742, 77.9872, 97.9538



78.5475, 77.9872, 266.1121



123.4550, 77.9872, 73.0875

Rectangle

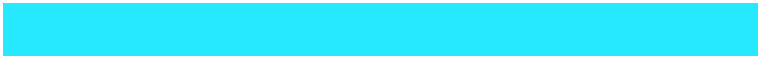
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8707, 77.9872, 13.1207



44.7977, 77.9872, 34.3393



78.5475, 77.9872, 266.1121



114.0716, 77.9872, 170.0654

Sweetspot

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



69.8725, 77.9909, 13.1223



83.7756, 91.6868, 61.2554



42.7832, 22.9363, 6.7937



17.6665, 19.4128, 12.0430



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.



69.8725, 77.9909, 13.1223



68.3724, 75.5247, 10.9741



52.9837, 80.3601, 14.4697



19.3729, 20.7141, 19.1215



35.7970, 39.6052, 5.7579



3.5338, 3.9529, 0.5767

Inverse Universe

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



20.5360, 11.0590, 95.6591



18.4952, 8.1103, 95.1984



26.5372, 12.5779, 95.6360



17.1707, 17.7130, 22.7639



9.7170, 4.3436, 49.7608



0.9976, 0.5260, 4.8622

Previews

White Background



This preview shows how the XYZ color 69.8707, 77.9872, 13.1207 looks on a white background.

Color Contrast Check

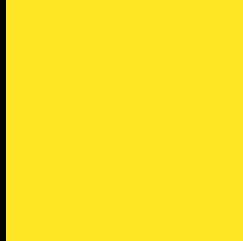
Large Text (above 18pt) WCAG AA × Fail

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 69.8707, 77.9872, 13.1207 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 69.8707, 77.9872, 13.1207

Background



This preview shows how black text looks on a background with the XYZ color 69.8707, 77.9872, 13.1207.



This preview shows how white text looks on a background with the XYZ color 69.8707, 77.9872,

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

69.8707, 77.9872, 13.1207

Protanopia

70.8206, 77.9232, 19.4916

Deuteranopia

76.2361, 77.9075, 54.7356



Tritanopia

80.8544, 77.6362, 85.5867

Trichromacy



Original Color

69.8707, 77.9872, 13.1207

Protanomaly

70.2427, 77.6920, 16.4481

Deuteranomaly

72.3988, 77.2377, 31.8614

Tritanomaly

73.9728, 76.5734, 44.1391

Monochromacy



Original Color

69.8707, 77.9872, 13.1207

Achromatopsia

64.5905, 67.9542, 74.0022

Achromatomaly

63.7313, 70.2114, 39.0473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8707, 77.9872, 13.1207 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, 230, 37)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 37)  
}
```

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, 230, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 37) }
```

Border

The CSS property to change the border of an element to XYZ 69.8707, 77.9872, 13.1207 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, 230, 37) }
```


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

```
.border{ border-color:rgb(255, 230, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 37);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8707, 77.9872, 13.1207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 37) }
```

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

```
.background{ background-color: rgb(255,  
230, 37) }
```

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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