

Converting Colors

XYZ(73.1783, 90.4278, 30.9317)

Have a look what the booklet for
XYZ(73.1783, 90.4278, 30.9317)
contains.

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Color

**XYZ(73.3507, 90.5141,
31.0577)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFF77
RGB	235, 255, 119
RGB Percent	92%, 100%, 47%
CMY	0.0784, 0.0000, 0.5333
CMYK	0.08, 0.00, 0.53, 0.00
HSL	69°, 100%, 73%
HSV	69°, 53%, 100%
XYZ	73.3507, 90.5141, 31.0577
YIQ	233.5160, 31.7360, -46.5360

Conversions

Conversions Part 2

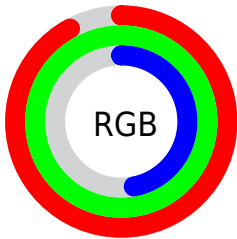
Format	Color
RYB	119, 255, 139
Decimal	15466359
CIELab	96.21, -25.04, 61.81
CIELCh	96, 66.689, 112.050
Yxy	90.5141, 0.3763, 0.4644
Android (android.graphics.Color)	4293656439 (0xFFEBFF77)
YUV	233.5160, -56.4564, 1.3015
Hunter-Lab	95.1389, -28.8722, 47.2423

Details

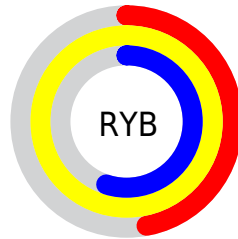
The XYZ color **73.3507, 90.5141, 31.0577** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **35.2954, 25.9039, 97.7474**, and the grayscale version is **78.2363, 82.3106, 89.6363**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **39.2510, 50.1054, 12.4531** is the 20% darker color. If you saturate the color by 10%, you get **70.7937, 89.3497, 23.9883**, and if you desaturate by 10%, it is **76.3448, 91.8562, 40.2941**.

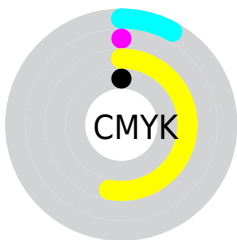
Distribution



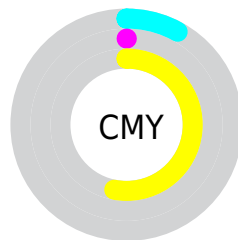
- Red (92%)
- Green (100%)
- Blue (47%)



- Red (47%)
- Yellow (100%)
- Blue (55%)



- Cyan (8%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3507, 90.5141, 31.0577 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 73.3507, 90.5141, 31.0577 by changing the saturation by 10% instead.

 73.3507, 90.5141,
31.0577

 73.3507, 90.5141,
31.0577


461.3144,
529.7018, 321.1635


 54.5522, 68.4071,
20.3840


 122.9754,
148.0523, 62.4115

 39.2757, 50.2290,
12.4876


 154.5323,
184.2523, 83.9287

 27.1560, 35.5954,
6.9501


 191.0727,
225.9188, 109.8975

 17.8276, 24.1219,
3.3530

232.9619,
273.4361, 140.7363

 10.9252, 15.4241,
1.2776

280.5653,
327.1886, 176.8638

 6.0835, 9.1175,
0.0433

334.2483,

 2.9371, 4.8179,

387.5608, 218.6985

0.0000

394.3762,
454.9371, 266.6588

■ 1.1206, 2.1408,
0.0000

■ 0.0422, 0.6874,
0.0000

■ 73.3507, 90.5141,
31.0577

■ 73.3507, 90.5141,
31.0577

■ 70.7937, 89.3497,
23.9883

■ 76.3448, 91.8562,
40.2941

■ 68.6397, 88.3496,
18.9049

■ 79.8058, 93.3883,
51.8516

■ 66.8497, 87.4980,
15.6035

■ 83.7612, 95.1211,
65.8744

■ 65.3760, 86.7759,
13.8342

■ 88.2361, 97.0647,
82.4941

■ 64.5236, 86.3482,
13.2661

■ 93.2538, 99.2286,
101.8327

95.0500, 100.0000,
108.9000

Harmonies

Analogous

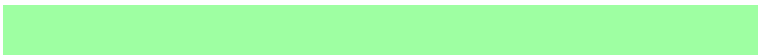
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0473, 90.5141, 28.1546



73.3507, 90.5141, 31.0577



60.9096, 90.5141, 48.2256

Triad

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



73.3507, 90.5141, 31.0577



65.9493, 90.5141, 202.7463



126.3077, 90.5141, 113.3332

Complementary

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



73.3507, 90.5141, 31.0577



35.2954, 25.9039, 97.7474

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.



117.2545, 90.5141, 175.4566



73.3507, 90.5141, 31.0577



81.2023, 90.5141, 237.8742

Square

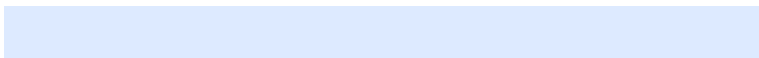
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.3507, 90.5141, 31.0577



57.0828, 90.5141, 141.9811



100.0943, 90.5141, 226.4123



123.4096, 90.5141, 65.0307

Rectangle

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



73.3507, 90.5141, 31.0577



56.4229, 90.5141, 70.3635



100.0943, 90.5141, 226.4123



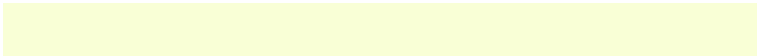
124.5205, 90.5141, 133.4190

Sweetspot

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



73.3508, 90.5141, 31.0589



86.9900, 96.5249, 77.7986



53.5351, 40.5222, 22.4539



18.4192, 20.5734, 15.9047



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.



73.3508, 90.5141, 31.0589



70.6376, 89.2779, 23.5888



55.4241, 81.2725, 30.2200



19.2832, 20.9474, 19.1713



33.8150, 45.1703, 6.9365



3.3608, 4.4333, 0.6786

Inverse Universe

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



35.2954, 25.9039, 97.7474



29.0359, 18.5391, 96.6558



49.8613, 33.4128, 98.4291



17.2515, 17.5059, 22.7197



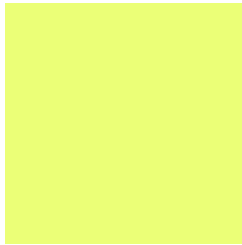
9.9139, 4.0213, 49.6882



1.0357, 0.4278, 4.8413

Previews

White Background



This preview shows how the XYZ color 73.3507, 90.5141, 31.0577 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 73.3507, 90.5141, 31.0577 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

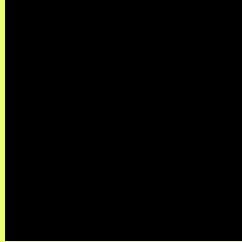
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.3507, 90.5141, 31.0577

Background



This preview shows how black text looks on a background with the XYZ color 73.3507, 90.5141, 31.0577.



This preview shows how white text looks on a background with the XYZ color 73.3507, 90.5141,

Color Blindness Simulation

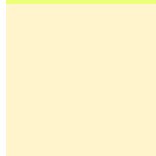
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



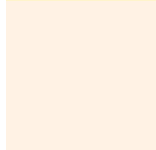
Original Color

73.3507, 90.5141, 31.0577



Protanopia

84.3702, 90.2732, 69.4776



Deuteranopia

86.9957, 90.3657, 86.2559



Tritanopia

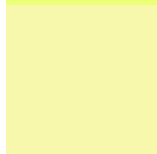
88.5722, 90.2703, 107.3634

Trichromacy



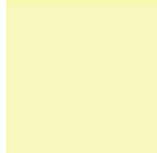
Original Color

73.3507, 90.5141, 31.0577



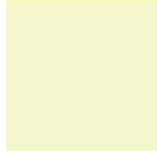
Protanomaly

79.7252, 90.0698, 52.2130



Deuteranomaly

81.0493, 90.1088, 60.6979



Tritanomaly

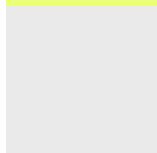
81.4046, 89.6009, 71.3967

Monochromacy



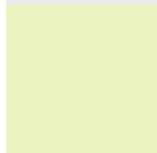
Original Color

73.3507, 90.5141, 31.0577



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.1982, 84.8025, 62.2743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.3507, 90.5141, 31.0577 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(235, 255, 119)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 119)  
}
```

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(235, 255, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 119) }
```

Border

The CSS property to change the border of an element to XYZ 73.3507, 90.5141, 31.0577 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(235, 255, 119) }
```


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

```
.border{ border-color:rgb(235, 255, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 73.3507, 90.5141, 31.0577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 119) }
```

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

```
.background{ background-color: rgb(235,  
255, 119) }
```

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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