

Converting Colors

XYZ(73.6713, 90.1302, 55.8809)

Have a look what the booklet for
XYZ(73.6713, 90.1302, 55.8809)
contains.

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Color

**XYZ(73.6147, 90.1065,
55.6319)**

Conversions

Conversions Part 1

Format	Color
Hex	DDFFB2
RGB	221, 255, 178
RGB Percent	87%, 100%, 70%
CMY	0.1333, 0.0000, 0.3020
CMYK	0.13, 0.00, 0.30, 0.00
HSL	86°, 100%, 85%
HSV	86°, 30%, 100%
XYZ	73.6147, 90.1065, 55.6319
YIQ	236.0560, 4.4530, -31.1550

Conversions

Conversions Part 2

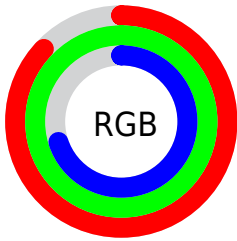
Format	Color
RYB	178, 255, 212
Decimal	14548914
CIELab	96.04, -23.76, 33.29
CIELCh	96, 40.895, 125.520
Yxy	90.1065, 0.3356, 0.4108
Android (android.graphics.Color)	4292738994 (0xFFDDFFB2)
YUV	236.0560, -28.6216, -13.2041
Hunter-Lab	94.9244, -27.6895, 31.6993

Details

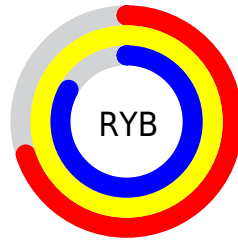
The XYZ color **73.6147, 90.1065, 55.6319** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **61.1228, 53.0591, 101.6277**, and the grayscale version is **79.9810, 84.1462, 91.6353**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **39.4128, 49.8682, 26.9503** is the 20% darker color. If you saturate the color by 10%, you get **67.9734, 87.4671, 43.2223**, and if you desaturate by 10%, it is **79.9629, 93.0552, 70.5614**.

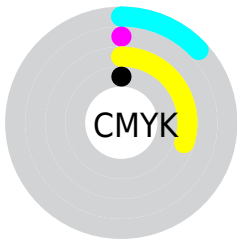
Distribution



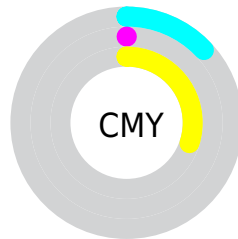
- Red (87%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (83%)



- Cyan (13%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.6147, 90.1065, 55.6319 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 73.6147, 90.1065, 55.6319 by changing the saturation by 10% instead.


 73.6147, 90.1065,
55.6319

 73.6147, 90.1065,
55.6319


462.2134,
528.3772, 425.6521

 54.7689, 68.0690,
39.5059

 123.3479,
147.4863, 99.9466

 39.4498, 49.9539,
26.8426


154.9660,
183.5974, 128.9723

 27.2922, 35.3767,
17.2237


191.5723,
225.1685, 163.1350

 17.9305, 23.9532,
10.2305

233.5321,
272.5839, 202.8532

 10.9995, 15.2989,
5.4444

281.2107,
326.2281, 248.5455

 6.1338, 9.0294,
2.4470

334.9736,

 2.9680, 4.7604,

386.4855, 300.6304

0.8119

395.1860,
453.7404, 359.5264

■ 1.1369, 2.1074,
0.0000

■ 0.0556, 0.6688,
0.0000

■ 73.6147, 90.1065,
55.6319

■ 73.6147, 90.1065,
55.6319

■ 67.9734, 87.4671,
43.2223

■ 79.9629, 93.0552,
70.5614

■ 63.0066, 85.1236,
33.1892

■ 87.0452, 96.3247,
88.1354

■ 58.6813, 83.0622,
25.3812

94.8892, 99.9264,
108.4749

■ 54.9603, 81.2674,
19.6274

95.0500, 100.0000,
108.9000

■ 51.8016, 79.7220,
15.7324

■ 49.1558, 78.4055,
13.4628

■ 46.9843, 77.3063,
12.4453

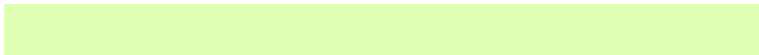
Harmonies

Analogous

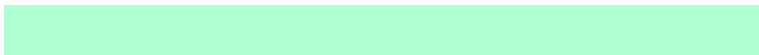
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.5677, 90.1065, 48.2402



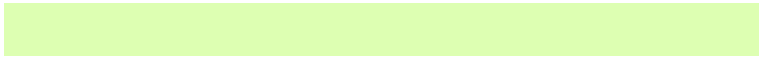
73.6147, 90.1065, 55.6319



67.3292, 90.1065, 74.4893

Triad

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



73.6147, 90.1065, 55.6319



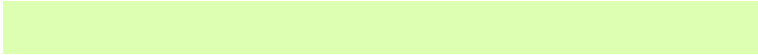
76.9405, 90.1065, 166.4477



109.1763, 90.1065, 92.2382

Complementary

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



73.6147, 90.1065, 55.6319



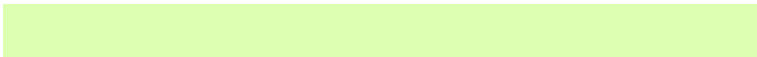
61.1228, 53.0591, 101.6277

Split Complementary

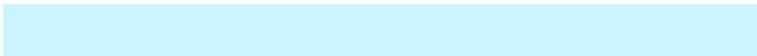
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.0100, 90.1065, 126.2621



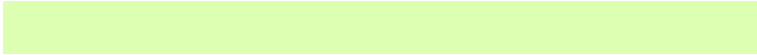
73.6147, 90.1065, 55.6319



87.7534, 90.1065, 174.1195

Square

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



73.6147, 90.1065, 55.6319



69.1276, 90.1065, 138.9473



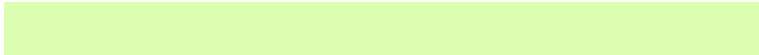
98.9161, 90.1065, 158.0667



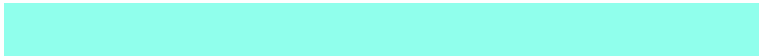
104.6005, 90.1065, 66.1792

Rectangle

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



73.6147, 90.1065, 55.6319



65.7326, 90.1065, 93.3234



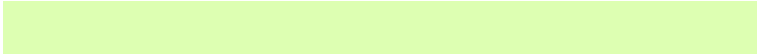
98.9161, 90.1065, 158.0667



109.2168, 90.1065, 103.0589

Sweetspot

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



73.6151, 90.1067, 55.6332



87.9421, 96.7374, 90.4183



72.6620, 71.2461, 52.0430



18.5898, 20.5984, 18.7595



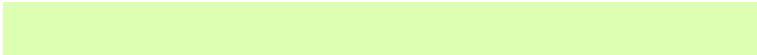
0.0000, 0.0000, 0.0000



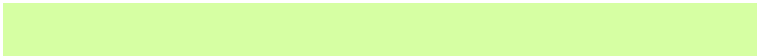
20.3446, 21.4041, 23.3091

Same Dimension

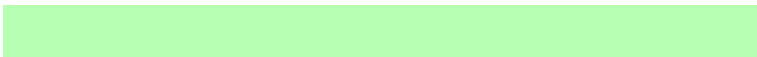
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6151, 90.1067, 55.6332



70.2561, 88.5376, 48.1309



63.3569, 84.8184, 55.1531



18.7419, 20.6684, 19.1459



24.7249, 40.4842, 6.5111



2.5330, 4.0066, 0.6398

Inverse Universe

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



61.1228, 53.0591, 101.6277



56.0122, 46.2855, 100.5896



73.3475, 59.3612, 102.1998



17.7642, 17.7702, 22.7437



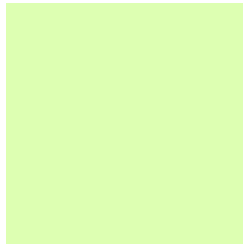
13.1280, 5.6782, 49.8387



1.4013, 0.6163, 4.8584

Previews

White Background



This preview shows how the XYZ color 73.6147, 90.1065, 55.6319 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 73.6147, 90.1065, 55.6319 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

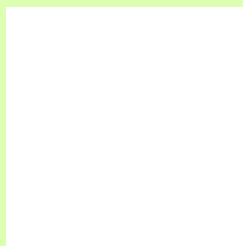
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 73.6147, 90.1065, 55.6319

Background



This preview shows how black text looks on a background with the XYZ color 73.6147, 90.1065, 55.6319.

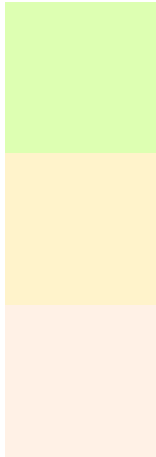


This preview shows how white text looks on a background with the XYZ color 73.6147, 90.1065,

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

73.6147, 90.1065, 55.6319

Protanopia

84.0701, 89.6730, 69.3776

Deuteranopia

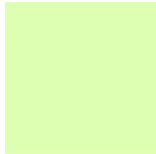
86.9782, 89.8838, 87.6280



Tritanopia

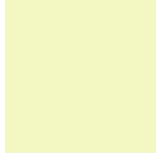
85.6606, 90.0985, 107.4837

Trichromacy



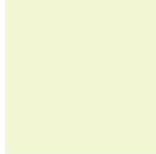
Original Color

73.6147, 90.1065, 55.6319



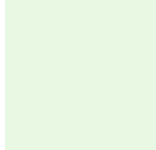
Protanomaly

79.9605, 89.4713, 64.0942



Deuteranomaly

81.6758, 89.6694, 74.6312



Tritanomaly

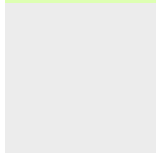
80.7112, 89.8367, 85.7593

Monochromacy



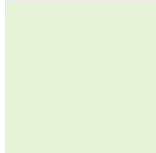
Original Color

73.6147, 90.1065, 55.6319



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.2713, 85.9964, 76.8163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6147, 90.1065, 55.6319 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(221, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 178)  
}
```

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(221, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 73.6147, 90.1065, 55.6319 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(221, 255, 178) }
```


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

```
.border{ border-color:rgb(221, 255, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 255, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 255, 178); box-shadow:4px 4px 4px 4px rgb(221, 255, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6147, 90.1065, 55.6319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 178) }
```

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

```
.background{ background-color: rgb(221,  
255, 178) }
```

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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