

Converting Colors

XYZ(63.6501, 81.0952, 23.1150)

Have a look what the booklet for
XYZ(63.6501, 81.0952, 23.1150)
contains.

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Color

**XYZ(63.6314, 81.0365,
23.1143)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF55F
RGB	218, 245, 95
RGB Percent	85%, 96%, 37%
CMY	0.1451, 0.0392, 0.6274
CMYK	0.11, 0.00, 0.61, 0.04
HSL	71°, 88%, 67%
HSV	71°, 61%, 96%
XYZ	63.6314, 81.0365, 23.1143
YIQ	219.8270, 32.0580, -52.3740

Conversions

Conversions Part 2

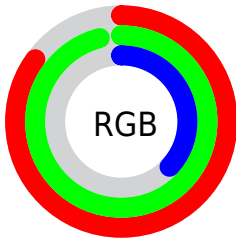
Format	Color
RYB	95, 245, 122
Decimal	14349663
CIELab	92.15, -28.75, 67.15
CIELCh	92, 73.050, 113.179
Yxy	81.0365, 0.3793, 0.4830
Android (android.graphics.Color)	4292539743 (0xFFDAF55F)
YUV	219.8270, -61.5397, -1.6023
Hunter-Lab	90.0203, -31.3616, 47.7904

Details

The XYZ color **63.6314, 81.0365, 23.1143** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **28.6026, 18.9165, 88.5348**, and the grayscale version is **68.3088, 71.8662, 78.2623**.

A 20% lighter version of the original color is **82.5859, 95.0144, 43.2650**, and **32.9982, 43.9901, 8.3419** is the 20% darker color. If you saturate the color by 10%, you get **61.3873, 79.9914, 18.0825**, and if you desaturate by 10%, it is **66.2646, 82.2471, 29.9950**.

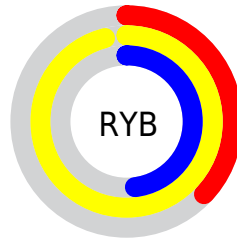
Distribution



Red (85%)

Green (96%)

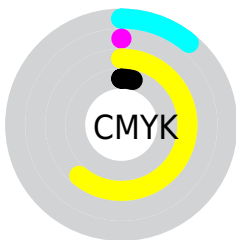
Blue (37%)



Red (37%)

Yellow (96%)

Blue (48%)

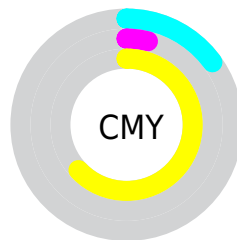


Cyan (11%)

Magenta (0%)

Yellow (61%)

Black (4%)



Cyan (15%)


Magenta (4%)


Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.6314, 81.0365, 23.1143 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 63.6314, 81.0365, 23.1143 by changing the saturation by 10% instead.


 63.6314, 81.0365,
23.1143


 63.6314, 81.0365,
23.1143


427.4807,
498.4191, 281.4524


 46.6128, 60.5717,
14.4718


 109.1566,
134.8220, 49.5065


 32.9363, 43.8796,
8.3071


 138.3939,
168.9115, 68.0933

 22.2366, 30.5758,
4.2015


 172.4348,
208.3113, 90.8320

 14.1485, 20.2761,
1.7365

 211.6447,
253.4058, 118.1411

 8.3064, 12.5959,
0.3856

256.3888,
304.5795, 150.4392

 4.3451, 7.1509,
0.0000

307.0326,

 1.8991, 3.5566,

362.2166, 188.1447

0.0000

363.9415,
426.7017, 231.6763

■ 0.5763, 1.4288,
0.0000

■ 0.0000, 0.2378,
0.0000

■ 63.6314, 81.0365,
23.1143

■ 63.6314, 81.0365,
23.1143

■ 61.3873, 79.9914,
18.0825

■ 66.2646, 82.2471,
29.9950

■ 59.4921, 79.0870,
14.7148


■ 69.3111, 83.6242,
38.8758

■ 57.9067, 78.3104,
12.7976


■ 72.7996, 85.1823,
49.8984


■ 56.7134, 77.7114,
12.0107

■ 76.7547, 86.9311,
63.1900

 81.1987, 88.8797,
78.8681

 86.1527, 91.0364,
97.0418

 89.7275, 92.6458,
107.7610

 91.3174, 93.4654,
107.8354

 91.9443, 93.7885,
107.8648

Harmonies

Analogous

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



81.4041, 81.0365, 20.1266



63.6314, 81.0365, 23.1143



51.5203, 81.0365, 39.5341

Triad

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



63.6314, 81.0365, 23.1143



57.2955, 81.0365, 200.0072



118.8613, 81.0365, 101.1342

Complementary

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



63.6314, 81.0365, 23.1143



28.6026, 18.9165, 88.5348

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.



109.7977, 81.0365, 166.1218



63.6314, 81.0365, 23.1143



72.8015, 81.0365, 236.4530

Square

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



63.6314, 81.0365, 23.1143



48.3004, 81.0365, 135.6704



92.1723, 81.0365, 222.0233



115.3358, 81.0365, 53.3878

Rectangle

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



63.6314, 81.0365, 23.1143



47.3011, 81.0365, 61.4983



92.1723, 81.0365, 222.0233



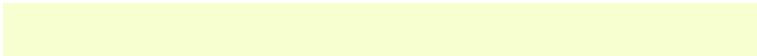
117.1429, 81.0365, 121.7765

Sweetspot

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



63.6333, 81.0402, 23.1160



85.5458, 95.8546, 74.3796



46.4411, 33.6739, 14.8795



18.0177, 20.3882, 14.9032



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.



63.6333, 81.0402, 23.1160



66.7963, 87.3962, 18.9545



46.3979, 72.1550, 22.3094



17.6049, 19.1539, 17.5668



30.6586, 41.9179, 6.4751



2.7692, 3.7227, 0.5726

Inverse Universe

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



28.6026, 18.9165, 88.5348



25.6898, 14.3040, 96.0147



43.0821, 26.3810, 89.2125



15.8594, 16.0702, 20.8085



9.5227, 3.8834, 46.7857



0.9126, 0.3803, 4.1155

Previews

White Background



This preview shows how the XYZ color 63.6314, 81.0365, 23.1143 looks on a white background.

Color Contrast Check

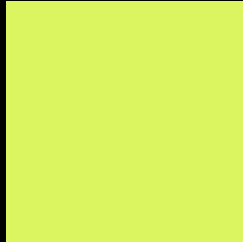
Large Text (above 18pt) WCAG AA × Fail

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 63.6314, 81.0365, 23.1143 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 63.6314, 81.0365, 23.1143

Background



This preview shows how black text looks on a background with the XYZ color 63.6314, 81.0365, 23.1143.

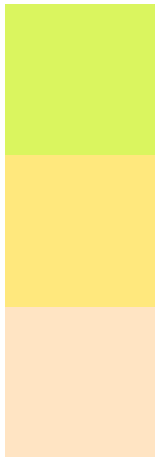


This preview shows how white text looks on a background with the XYZ color 63.6314, 81.0365,

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

63.6314, 81.0365, 23.1143

Protanopia

73.7983, 80.4539, 31.0416

Deuteranopia

78.8337, 80.6869, 63.0489



Tritanopia

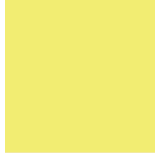
79.1718, 80.8634, 100.2423

Trichromacy



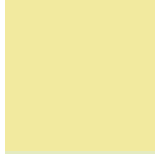
Original Color

63.6314, 81.0365, 23.1143



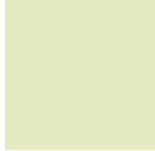
Protanomaly

69.9394, 80.6605, 27.8024



Deuteranomaly

72.2988, 80.2261, 44.4755



Tritanomaly

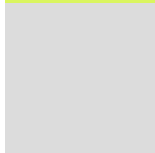
71.2177, 79.7164, 61.5024

Monochromacy



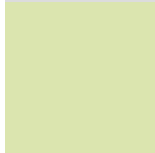
Original Color

63.6314, 81.0365, 23.1143



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

64.9706, 74.1938, 51.4540

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.6314, 81.0365, 23.1143 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(218, 245, 95)` looks like.

```
.text, #text, p{  
    color:rgb(218, 245, 95)  
}
```

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(218, 245, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 245, 95) }
```

Border

The CSS property to change the border of an element to XYZ 63.6314, 81.0365, 23.1143 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(218, 245, 95) }
```


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

```
.border{ border-color:rgb(218, 245, 95) }
```

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

Here you see how a box with a 4 pixel rgb(218, 245, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 245, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 245, 95);  
box-shadow:4px 4px 4px 4px rgb(218, 245,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 63.6314, 81.0365, 23.1143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 245, 95) }
```

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

```
.background{ background-color: rgb(218,  
245, 95) }
```

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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