

Converting Colors

XYZ(63.7448, 80.4381, 24.5111)

Have a look what the booklet for
XYZ(63.7448, 80.4381, 24.5111)
contains.

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Color

**XYZ(63.9131, 80.7010,
24.5202)**

Conversions

Conversions Part 1

Format	Color
Hex	DBF465
RGB	219, 244, 101
RGB Percent	86%, 96%, 40%
CMY	0.1412, 0.0431, 0.6039
CMYK	0.10, 0.00, 0.59, 0.04
HSL	70°, 87%, 68%
HSV	70°, 59%, 96%
XYZ	63.9131, 80.7010, 24.5202
YIQ	220.2230, 31.0030, -49.7730

Conversions

Conversions Part 2

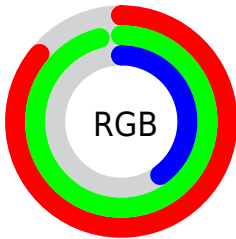
Format	Color
RYB	101, 244, 126
Decimal	14414949
CIELab	92.00, -27.46, 64.52
CIElCh	92, 70.126, 113.056
Yxy	80.7010, 0.3779, 0.4771
Android (android.graphics.Color)	4292605029 (0xFFDBF465)
YUV	220.2230, -58.7769, -1.0726
Hunter-Lab	89.8337, -30.2134, 46.7004

Details

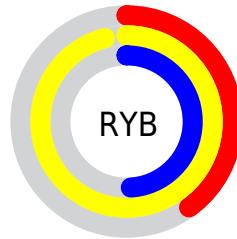
The XYZ color **63.9131, 80.7010, 24.5202** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **29.5899, 20.2766, 87.9469**, and the grayscale version is **68.5678, 72.1387, 78.5590**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **33.1358, 43.7254, 9.0763** is the 20% darker color. If you saturate the color by 10%, you get **61.6241, 79.6419, 19.0725**, and if you desaturate by 10%, it is **66.5937, 81.9263, 31.8414**.

Distribution



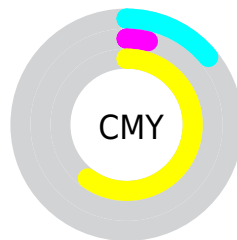
- Red (86%)
- Green (96%)
- Blue (40%)



- Red (40%)
- Yellow (96%)
- Blue (49%)



- Cyan (10%)
- Magenta (0%)
- Yellow (59%)
- Black (4%)





- Cyan (14%)
- Magenta (4%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.9131, 80.7010, 24.5202 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 63.9131, 80.7010, 24.5202 by changing the saturation by 10% instead.


 63.9131, 80.7010,
24.5202

 63.9131, 80.7010,
24.5202


428.4830,
497.2921, 288.8108


 46.8417, 60.2954,
15.5042


 109.5602,
134.3509, 51.8322


 33.1180, 43.6568,
9.0235


 138.8666,
168.3639, 70.9653

 22.3765, 30.4008,
4.6595


 172.9821,
207.6815, 94.3078

 14.2520, 20.1430,
1.9937

 212.2720,
252.6881, 122.2783

 8.3790, 12.4990,
0.5514

257.1017,
303.7680, 155.2953

 4.3922, 7.0845,
0.0000

307.8365,

 1.9263, 3.5150,

361.3058, 193.7773

0.0000

364.8418,
425.6857, 238.1430

■ 0.5921, 1.4061,
0.0000

■ 0.0000, 0.2212,
0.0000

■ 63.9131, 80.7010,
24.5202

■ 63.9131, 80.7010,
24.5202

■ 61.6241, 79.6419,
19.0725

■ 66.5937, 81.9263,
31.8414

■ 59.6882, 78.7249,
15.3224


■ 69.6889, 83.3185,
41.1812


■ 58.0687, 77.9382,
13.0693

■ 73.2265, 84.8914,
52.6760


■ 56.7100, 77.2595,
12.0213


■ 77.2300, 86.6546,
66.4492

 56.5307, 77.1693,
11.9157

 81.7214, 88.6168,
82.6147

 86.7211, 90.7863,
101.2788

 89.4222, 92.0404,
107.6603

 90.9595, 92.8328,
107.7322

 91.6425, 93.1849,
107.7642

Harmonies

Analogous

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



80.9715, 80.7010, 21.5715



63.9131, 80.7010, 24.5202



52.2006, 80.7010, 40.6880

Triad

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



63.9131, 80.7010, 24.5202



57.6987, 80.7010, 193.4937



116.5167, 80.7010, 100.4265

Complementary

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



63.9131, 80.7010, 24.5202



29.5899, 20.2766, 87.9469

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.



107.8785, 80.7010, 162.0638



63.9131, 80.7010, 24.5202



72.5889, 80.7010, 227.8526

Square

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



63.9131, 80.7010, 24.5202



49.0248, 80.7010, 132.7668



91.0966, 80.7010, 214.5276



113.2251, 80.7010, 54.4418

Rectangle

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



63.9131, 80.7010, 24.5202



48.0927, 80.7010, 61.9963



91.0966, 80.7010, 214.5276



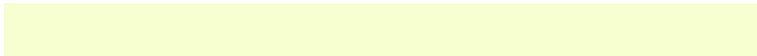
114.8721, 80.7010, 120.0941

Sweetspot

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



63.9150, 80.7047, 24.5219



85.6295, 95.8978, 74.3835



46.9726, 34.8000, 16.5544



18.0384, 20.3989, 14.9041



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.



63.9150, 80.7047, 24.5219



67.7563, 87.8620, 20.3169



47.0362, 72.0033, 23.7320



17.6137, 19.1584, 17.5672



30.8407, 42.0118, 6.4836



2.7836, 3.7301, 0.5733

Inverse Universe

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



29.5899, 20.2766, 87.9469



26.8186, 15.6283, 96.2108



43.8373, 27.6214, 88.6137



15.8513, 16.0660, 20.8082



9.4918, 3.8675, 46.7843



0.9087, 0.3783, 4.1154

Previews

White Background



This preview shows how the XYZ color 63.9131, 80.7010, 24.5202 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 63.9131, 80.7010, 24.5202 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 63.9131, 80.7010, 24.5202

Background



This preview shows how black text looks on a background with the XYZ color 63.9131, 80.7010, 24.5202.

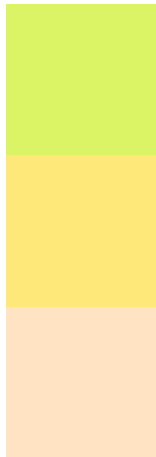


This preview shows how white text looks on a background with the XYZ color 63.9131, 80.7010,

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

63.9131, 80.7010, 24.5202

Protanopia

73.6095, 80.3784, 30.0473

Deuteranopia

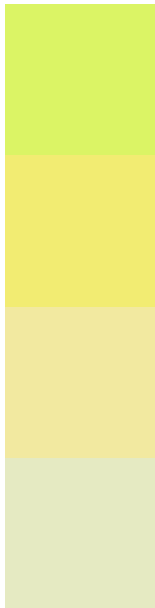
78.4467, 80.0932, 62.3639



Tritanopia

79.0688, 80.4162, 99.3502

Trichromacy



Original Color

63.9131, 80.7010, 24.5202

Protanomaly

69.6507, 80.0831, 27.7062

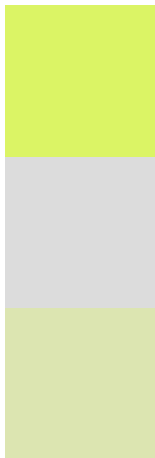
Deuteranomaly

72.1020, 79.6931, 44.8398

Tritanomaly

71.4735, 79.3987, 62.5974

Monochromacy



Original Color

63.9131, 80.7010, 24.5202

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

65.4703, 74.4286, 52.5105

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9131, 80.7010, 24.5202 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(219, 244, 101)` looks like.

```
.text, #text, p{  
    color:rgb(219, 244, 101)  
}
```

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(219, 244, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 244, 101) }
```

Border

The CSS property to change the border of an element to XYZ 63.9131, 80.7010, 24.5202 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(219, 244, 101) }
```


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

```
.border{ border-color:rgb(219, 244, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 244, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 244, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 244, 101);  
box-shadow:4px 4px 4px 4px rgb(219, 244,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9131, 80.7010, 24.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 244, 101) }
```

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

```
.background{ background-color: rgb(219,  
244, 101) }
```

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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