

Converting Colors

XYZ(64.6589, 79.9043, 37.6064)

Have a look what the booklet for
XYZ(64.6589, 79.9043, 37.6064)
contains.

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Color

**XYZ(64.6589, 79.9043,
37.6064)**

Conversions

Conversions Part 1

Format	Color
Hex	D7F28E
RGB	215, 242, 142
RGB Percent	84%, 95%, 56%
CMY	0.1569, 0.0510, 0.4431
CMYK	0.11, 0.00, 0.41, 0.05
HSL	76°, 79%, 75%
HSV	76°, 41%, 95%
XYZ	64.6589, 79.9043, 37.6064
YIQ	222.5270, 16.0080, -36.8240

Conversions

Conversions Part 2

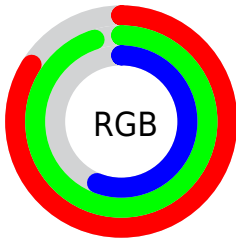
Format	Color
RYB	142, 242, 169
Decimal	14152334
CIELab	91.64, -24.23, 45.27
CIELCh	92, 51.343, 118.159
Yxy	79.9043, 0.3549, 0.4386
Android (android.graphics.Color)	4292342414 (0xFFD7F28E)
YUV	222.5270, -39.6998, -6.6012
Hunter-Lab	89.3892, -27.3147, 37.6289

Details

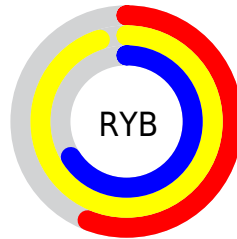
The XYZ color **64.6589, 79.9043, 37.6064** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.0654, 34.1940, 88.3920**, and the grayscale version is **70.0700, 73.7191, 80.2801**.

A 20% lighter version of the original color is **87.0780, 96.8112, 66.9203**, and **33.7024, 43.2269, 16.2402** is the 20% darker color. If you saturate the color by 10%, you get **61.1554, 78.2884, 28.9660**, and if you desaturate by 10%, it is **68.6375, 81.7247, 48.3312**.

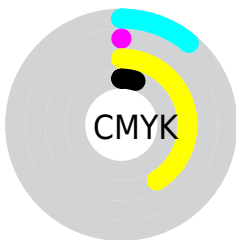
Distribution



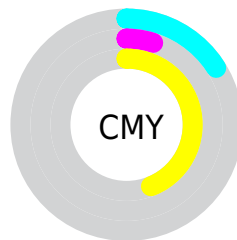
- Red (84%)
- Green (95%)
- Blue (56%)



- Red (56%)
- Yellow (95%)
- Blue (66%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (5%)





- Cyan (16%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.6589, 79.9043, 37.6064 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 64.6589, 79.9043, 37.6064 by changing the saturation by 10% instead.


 64.6589, 79.9043,
37.6064


 64.6589, 79.9043,
37.6064


431.1298,
494.6103, 351.1759

 47.4482, 59.6396,
25.3779


 110.6278,
133.2312, 72.7012

 33.5996, 43.1282,
16.1372


 140.1166,
167.0621, 96.4045

 22.7476, 29.9857,
9.4659


174.4290,
206.1840, 124.7699

 14.5269, 19.8278,
4.9454

213.9301,
250.9811, 158.2158

 8.5722, 12.2699,
2.1571

258.9854,
301.8379, 197.1608

 4.5181, 6.9278,
0.6494

309.9602,

 1.9992, 3.4170,

359.1388, 242.0235

0.0000

367.2199,
423.2681, 293.2223

0.6335, 1.3531,
0.0000

0.0000, 0.1818,
0.0000

64.6589, 79.9043,
37.6064

64.6589, 79.9043,
37.6064

61.1554, 78.2884,
28.9660

68.6375, 81.7247,
48.3312

58.0944, 76.8554,
22.2689


73.1097, 83.7487,
61.2589


55.4481, 75.5970,
17.3650


78.0999, 85.9889,
76.5052


53.1825, 74.4994,
14.0797


83.6290, 88.4539,
94.1762

 51.2570, 73.5463,
12.2038

 88.4008, 90.6252,
107.4409

 49.8061, 72.8140,
11.4295

 90.7546, 91.8386,
107.5511

 91.0439, 91.9877,
107.5646

Harmonies

Analogous

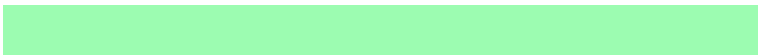
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7595, 79.9043, 32.9487



64.6589, 79.9043, 37.6064



56.4786, 79.9043, 54.1978

Triad

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



64.6589, 79.9043, 37.6064



63.4068, 79.9043, 163.8883



104.0360, 79.9043, 89.3426

Complementary

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



64.6589, 79.9043, 37.6064



42.0654, 34.1940, 88.3920

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.



99.4416, 79.9043, 130.9261



64.6589, 79.9043, 37.6064



75.1395, 79.9043, 180.9660

Square

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



64.6589, 79.9043, 37.6064



55.8164, 79.9043, 125.7203



88.4771, 79.9043, 167.4520



100.4142, 79.9043, 57.1816

Rectangle

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



64.6589, 79.9043, 37.6064



53.8467, 79.9043, 73.0108



88.4771, 79.9043, 167.4520



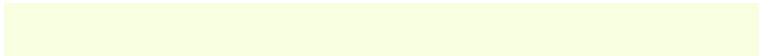
103.3916, 79.9043, 102.6758

Sweetspot

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



64.6609, 79.9079, 37.6081



87.5338, 96.6498, 84.8475



55.6294, 49.0848, 32.1347



18.5722, 20.6138, 17.6521



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

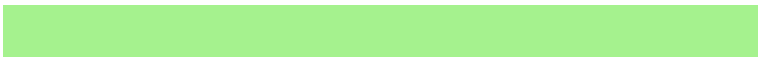
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.6609, 79.9079, 37.6081



69.3110, 88.3699, 33.6540



52.2238, 73.4963, 37.0261



16.6823, 18.2319, 16.7896



26.8920, 39.1849, 6.1461



2.3315, 3.3084, 0.5157

Inverse Universe

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



42.0654, 34.1940, 88.3920



40.5905, 30.2024, 98.2980



54.8161, 40.7672, 88.9887



15.2977, 15.4352, 19.8946



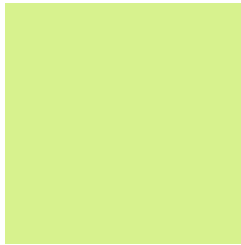
9.9047, 4.1115, 45.3994



0.9157, 0.3893, 3.7811

Previews

White Background



This preview shows how the XYZ color 64.6589, 79.9043, 37.6064 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 64.6589, 79.9043, 37.6064 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

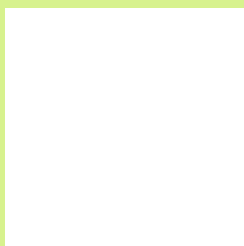
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6589, 79.9043, 37.6064

Background



This preview shows how black text looks on a background with the XYZ color 64.6589, 79.9043, 37.6064.



This preview shows how white text looks on a background with the XYZ color 64.6589, 79.9043,

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

64.6589, 79.9043, 37.6064

Protanopia

73.3082, 79.6823, 35.5612

Deuteranopia

78.2867, 79.5928, 62.8666



Tritanopia

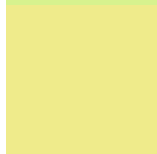
77.5532, 80.0290, 100.1666

Trichromacy



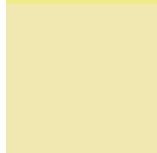
Original Color

64.6589, 79.9043, 37.6064



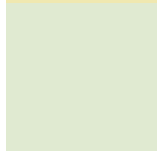
Protanomaly

69.9651, 79.6315, 36.1090



Deuteranomaly

72.6283, 79.3731, 52.5669



Tritanomaly

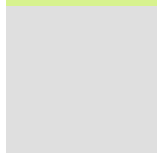
71.6719, 79.2964, 71.8498

Monochromacy



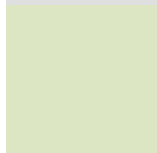
Original Color

64.6589, 79.9043, 37.6064



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

67.5496, 75.7043, 62.0911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6589, 79.9043, 37.6064 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(215, 242, 142)` looks like.

```
.text, #text, p{  
    color:rgb(215, 242, 142)  
}
```

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(215, 242, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 242, 142) }
```

Border

The CSS property to change the border of an element to XYZ 64.6589, 79.9043, 37.6064 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(215, 242, 142) }
```


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

```
.border{ border-color:rgb(215, 242, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 242, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 242, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 242, 142);  
box-shadow:4px 4px 4px 4px rgb(215, 242,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6589, 79.9043, 37.6064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 242, 142) }
```

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

```
.background{ background-color: rgb(215,  
242, 142) }
```

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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