

Converting Colors

XYZ(64.4590, 73.4451, 49.1584)

Have a look what the booklet for
XYZ(64.4590, 73.4451, 49.1584)
contains.

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Color

**XYZ(64.6093, 73.6427,
49.3373)**

Conversions

Conversions Part 1

Format	Color
Hex	DCE4AB
RGB	220, 228, 171
RGB Percent	86%, 89%, 67%
CMY	0.1373, 0.1059, 0.3294
CMYK	0.04, 0.00, 0.25, 0.11
HSL	68°, 51%, 78%
HSV	68°, 25%, 89%
XYZ	64.6093, 73.6427, 49.3373
YIQ	219.1100, 13.5290, -19.4230

Conversions

Conversions Part 2

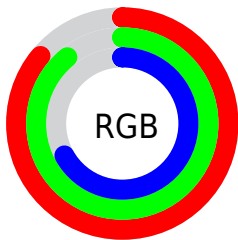
Format	Color
RYB	171, 228, 179
Decimal	14476459
CIELab	88.75, -11.89, 26.99
CIELCh	89, 29.497, 113.775
Yxy	73.6427, 0.3444, 0.3926
Android (android.graphics.Color)	4292666539 (0xFFDCE4AB)
YUV	219.1100, -23.7182, 0.7805
Hunter-Lab	85.8153, -15.7864, 25.9835

Details

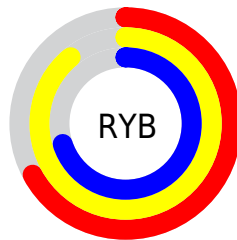
The XYZ color **64.6093, 73.6427, 49.3373** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.1597, 44.3129, 79.4705**, and the grayscale version is **67.5628, 71.0813, 77.4075**.

A 20% lighter version of the original color is **90.8651, 98.3261, 86.8628**, and **33.5234, 39.0877, 22.9173** is the 20% darker color. If you saturate the color by 10%, you get **61.6617, 72.3553, 38.8168**, and if you desaturate by 10%, it is **67.9542, 75.0962, 61.8363**.

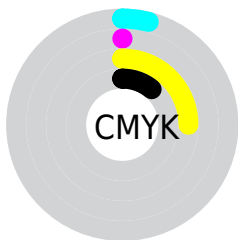
Distribution



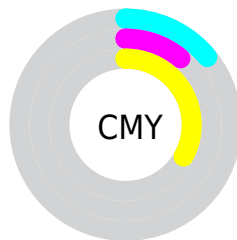
- Red (86%)
- Green (89%)
- Blue (67%)



- Red (67%)
- Yellow (89%)
- Blue (70%)



- Cyan (4%)
- Magenta (0%)
- Yellow (25%)
- Black (11%)



- Cyan (14%)
- Magenta (11%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.6093, 73.6427, 49.3373 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 64.6093, 73.6427, 49.3373 by changing the saturation by 10% instead.

■ 64.6093, 73.6427,
49.3373

■ 64.6093, 73.6427,
49.3373

430.9541,
473.2393, 400.7293

■ 47.4079, 54.5017,
34.5196

■ 110.5568,
124.3892, 90.5784

■ 33.5675, 39.0029,
23.0125

140.0336,
156.7634, 117.8389

■ 22.7229, 26.7620,
14.3973

174.3329,
194.3175, 150.0841

■ 14.5086, 17.3945,
8.2556

213.8200,
237.4358, 187.7325

■ 8.5593, 10.5162,
4.1689

258.8603,
286.5027, 231.2027

■ 4.5096, 5.7425,
1.7184

309.8192,

■ 1.9943, 2.6892,

341.9027, 280.9132

0.3733

367.0620,
404.0201, 337.2825

■ 0.6308, 0.9717,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.6093, 73.6427,
49.3373

■ 64.6093, 73.6427,
49.3373

■ 61.6617, 72.3553,
38.8168

■ 67.9542, 75.0962,
61.8363

■ 59.0863, 71.2164,
30.1686

■ 71.7088, 76.7132,
76.4031

■ 56.8640, 70.2208,
23.2840

■ 75.8916, 78.5037,
93.1273

■ 54.9716, 69.3593,
18.0411

■ 79.3366, 80.0012,
105.8680

■ 53.3828, 68.6214,
14.3025

■ 80.3903, 80.5445,
105.9174

■ 52.0673, 67.9948,
11.9085

■ 81.4631, 81.0975,
105.9676

■ 50.9877, 67.4647,
10.6635

■ 82.5551, 81.6604,
106.0187

■ 50.5064, 67.2238,
10.3135

■ 83.6663, 82.2333,
106.0707

■ 84.7969, 82.8161,
106.1236

Harmonies

Analogous

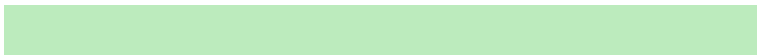
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.4933, 73.6427, 47.1269



64.6093, 73.6427, 49.3373



59.5019, 73.6427, 59.1361

Triad

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



64.6093, 73.6427, 49.3373



62.1974, 73.6427, 116.2360



84.5369, 73.6427, 84.5204

Complementary

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



64.6093, 73.6427, 49.3373



47.1597, 44.3129, 79.4705

Split Complementary

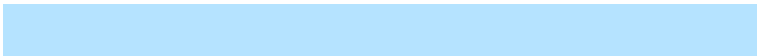
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.6548, 73.6427, 105.7142



64.6093, 73.6427, 49.3373



68.5182, 73.6427, 125.9236

Square

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



64.6093, 73.6427, 49.3373



58.1770, 73.6427, 97.0883



75.6723, 73.6427, 121.7784



83.3143, 73.6427, 65.3661

Rectangle

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



64.6093, 73.6427, 49.3373



57.6326, 73.6427, 69.7004



75.6723, 73.6427, 121.7784



84.0101, 73.6427, 91.6702

Sweetspot

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



64.6112, 73.6460, 49.3389



90.8915, 98.2158, 92.4616



55.3881, 51.5164, 45.5535



19.2957, 20.9538, 19.1718



0.0000, 0.0000, 0.0000



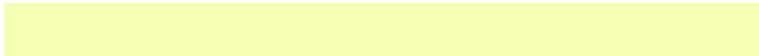
20.3446, 21.4041, 23.3091

Same Dimension

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



64.6112, 73.6460, 49.3389



81.2437, 94.0336, 56.2515



56.8096, 69.6241, 48.9738



15.3922, 16.7092, 15.3184



29.2388, 38.8547, 5.9587



2.2156, 2.8995, 0.4429

Inverse Universe

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



47.1597, 44.3129, 79.4705



55.1167, 50.1100, 101.3750



54.3290, 48.0088, 79.8060



13.7702, 13.9837, 18.1177



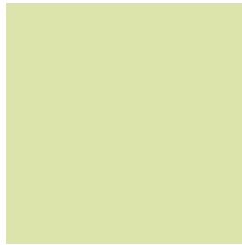
8.4887, 3.4420, 42.6001



0.6872, 0.2852, 3.1508

Previews

White Background



This preview shows how the XYZ color 64.6093, 73.6427, 49.3373 looks on a white background.

Color Contrast Check

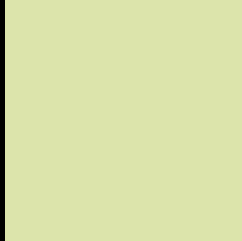
Large Text (above 18pt) WCAG AA × Fail

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 64.6093, 73.6427, 49.3373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

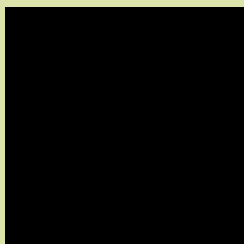
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

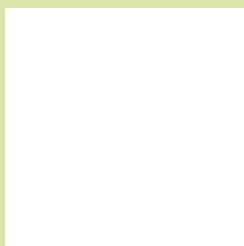
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.6093, 73.6427, 49.3373

Background



This preview shows how black text looks on a background with the XYZ color 64.6093, 73.6427, 49.3373.



This preview shows how white text looks on a background with the XYZ color 64.6093, 73.6427,

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

64.6093, 73.6427, 49.3373

Protanopia

68.4491, 73.2468, 47.5762

Deuteranopia

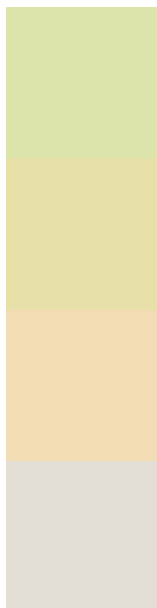
74.0877, 73.2798, 55.0393



Tritanopia

72.9307, 73.4355, 90.4514

Trichromacy



Original Color

64.6093, 73.6427, 49.3373

Protanomaly

66.7721, 73.1648, 48.1391

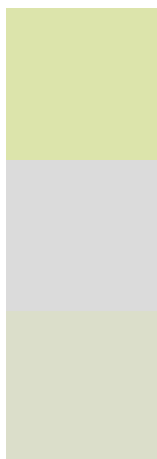
Deuteranomaly

70.3478, 73.3183, 53.0919

Tritanomaly

69.4955, 73.2154, 73.4200

Monochromacy



Original Color

64.6093, 73.6427, 49.3373

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

65.9954, 71.5669, 66.2126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.6093, 73.6427, 49.3373 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(220, 228, 171)` looks like.

```
.text, #text, p{  
    color:rgb(220, 228, 171)  
}
```

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(220, 228, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 228, 171) }
```

Border

The CSS property to change the border of an element to XYZ 64.6093, 73.6427, 49.3373 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(220, 228, 171) }
```


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

```
.border{ border-color:rgb(220, 228, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 228, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 228, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 228, 171);  
box-shadow:4px 4px 4px 4px rgb(220, 228,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 64.6093, 73.6427, 49.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 228, 171) }
```

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

```
.background{ background-color: rgb(220,  
228, 171) }
```

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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