

Converting Colors

XYZ(64.7942, 75.2017, 41.2377)

Have a look what the booklet for
XYZ(64.7942, 75.2017, 41.2377)
contains.

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Color

**XYZ(64.7571, 75.1397,
41.2273)**

Conversions

Conversions Part 1

Format	Color
Hex	DFE799
RGB	223, 231, 153
RGB Percent	87%, 91%, 60%
CMY	0.1255, 0.0941, 0.4000
CMYK	0.03, 0.00, 0.34, 0.09
HSL	66°, 62%, 75%
HSV	66°, 34%, 91%
XYZ	64.7571, 75.1397, 41.2273
YIQ	219.7160, 20.2700, -25.9540

Conversions

Conversions Part 2

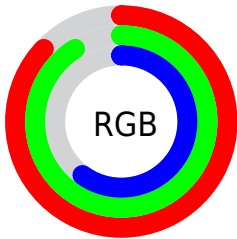
Format	Color
RYB	153, 231, 161
Decimal	14673817
CIELab	89.46, -14.60, 37.13
CIELCh	89, 39.900, 111.457
Yxy	75.1397, 0.3575, 0.4149
Android (android.graphics.Color)	4292863897 (0xFFDFE799)
YUV	219.7160, -32.8910, 2.8801
Hunter-Lab	86.6832, -18.3462, 32.4793

Details

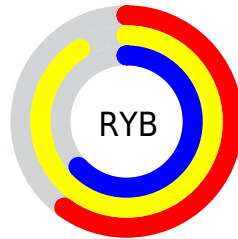
The XYZ color **64.7571, 75.1397, 41.2273** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.5158, 36.1310, 80.4442**, and the grayscale version is **68.0432, 71.5868, 77.9580**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **33.8106, 40.2057, 18.2904** is the 20% darker color. If you saturate the color by 10%, you get **62.3063, 74.0782, 32.0991**, and if you desaturate by 10%, it is **67.5913, 76.3610, 52.3044**.

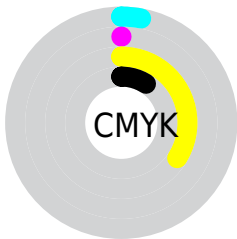
Distribution



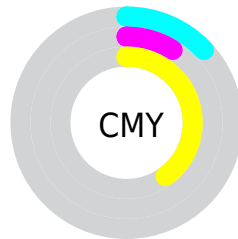
- Red (87%)
- Green (91%)
- Blue (60%)



- Red (60%)
- Yellow (91%)
- Blue (63%)



- Cyan (3%)
- Magenta (0%)
- Yellow (34%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.7571, 75.1397, 41.2273 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 64.7571, 75.1397, 41.2273 by changing the saturation by 10% instead.

64.7571, 75.1397,
41.2273

64.7571, 75.1397,
41.2273

431.4776,
478.3976, 366.9745

47.5281, 55.7273,
28.1757

110.7682,
126.5101, 78.2862

33.6630, 39.9844,
18.2179

140.2811,
159.2369, 103.1307

22.7965, 27.5264,
10.9355

174.6193,
197.1707, 132.7431

14.5632, 17.9689,
5.9099

214.1481,
240.6958, 167.5421

8.5977, 10.9277,
2.7224

259.2330,
290.1967, 207.9462

4.5347, 6.0182,
0.9547

310.2394,

2.0089, 2.8562,

346.0577, 254.3739

0.0000

367.5324,
408.6632, 307.2438

0.6389, 1.0571,
0.0000

0.0000, 0.0000,
0.0000

64.7571, 75.1397,
41.2273

64.7571, 75.1397,
41.2273

62.3063, 74.0782,
32.0991

67.5913, 76.3610,
52.3044

60.2117, 73.1577,
24.8025


70.8231, 77.7399,
65.4293


58.4518, 72.3723,
19.2147


74.4725, 79.2870,
80.6999


56.9998, 71.7113,
15.1960


78.5567, 81.0092,
98.2064

 55.8252, 71.1623,
12.5851


 80.8405, 82.0125,
106.1770


 54.8904, 70.7104,
11.1852

 81.6279, 82.4184,
106.2138

 54.3928, 70.4633,
10.7340

 82.4258, 82.8297,
106.2512

 83.2342, 83.2465,
106.2890

 84.0531, 83.6687,
106.3273

Harmonies

Analogous

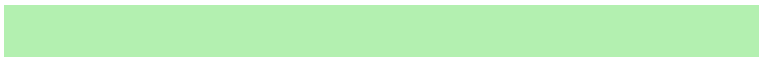
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.2484, 75.1397, 39.2736



64.7571, 75.1397, 41.2273



57.6954, 75.1397, 52.6333

Triad

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



64.7571, 75.1397, 41.2273



60.3288, 75.1397, 131.5850



91.6771, 75.1397, 90.0793

Complementary

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



64.7571, 75.1397, 41.2273



40.5158, 36.1310, 80.4442

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.



87.1604, 75.1397, 120.1735



64.7571, 75.1397, 41.2273



68.6605, 75.1397, 147.4722

Square

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



64.7571, 75.1397, 41.2273



55.3058, 75.1397, 103.1405



78.5207, 75.1397, 142.8771



90.3901, 75.1397, 63.6513

Rectangle

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



64.7571, 75.1397, 41.2273



55.0304, 75.1397, 65.8531



78.5207, 75.1397, 142.8771



90.7733, 75.1397, 100.1664

Sweetspot

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



64.7590, 75.1431, 41.2289



90.2565, 97.9721, 88.6488



51.4172, 44.7107, 36.0580



19.1837, 20.9128, 18.4132



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.



64.7590, 75.1431, 41.2289



78.7033, 93.0179, 42.8507



54.1435, 69.6706, 40.7321



15.4482, 16.7381, 15.3210



30.5533, 39.5323, 6.0202



2.3000, 2.9431, 0.4468

Inverse Universe

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



40.5158, 36.1310, 80.4442



43.7626, 36.7724, 99.3990



49.5834, 40.8055, 80.8685



13.7194, 13.9576, 18.1153



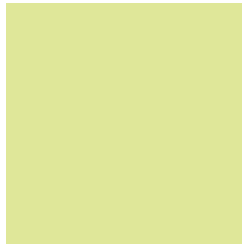
8.3417, 3.3662, 42.5933



0.6631, 0.2728, 3.1497

Previews

White Background



This preview shows how the XYZ color 64.7571, 75.1397, 41.2273 looks on a white background.

Color Contrast Check

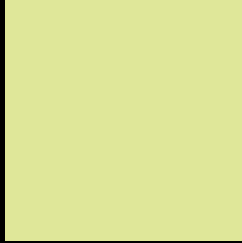
Large Text (above 18pt) WCAG AA × Fail

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 64.7571, 75.1397, 41.2273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

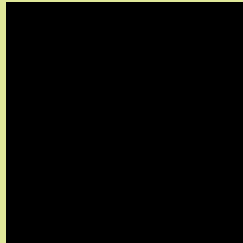
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

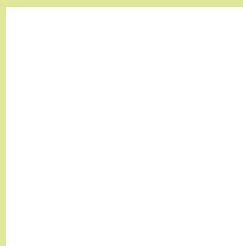
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.7571, 75.1397, 41.2273

Background



This preview shows how black text looks on a background with the XYZ color 64.7571, 75.1397, 41.2273.

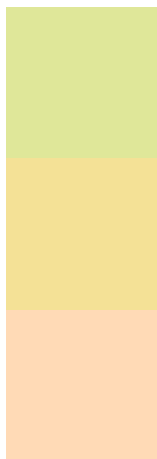


This preview shows how white text looks on a background with the XYZ color 64.7571, 75.1397,

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

64.7571, 75.1397, 41.2273

Protanopia

69.7385, 75.2855, 39.7101

Deuteranopia

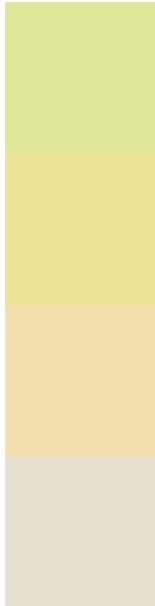
74.7549, 74.7802, 54.7500



Tritanopia

74.9575, 74.8519, 91.3861

Trichromacy



Original Color

64.7571, 75.1397, 41.2273

Protanomaly

67.6471, 75.0054, 40.1903

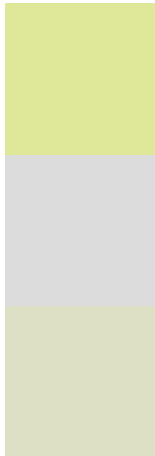
Deuteranomaly

70.7005, 74.7703, 49.2339

Tritanomaly

70.5513, 74.6393, 69.7199

Monochromacy



Original Color

64.7571, 75.1397, 41.2273

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.4383, 72.6690, 62.7494

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.7571, 75.1397, 41.2273 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(223, 231, 153)` looks like.

```
.text, #text, p{  
    color:rgb(223, 231, 153)  
}
```

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(223, 231, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 231, 153) }
```

Border

The CSS property to change the border of an element to XYZ 64.7571, 75.1397, 41.2273 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(223, 231, 153) }
```


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

```
.border{ border-color:rgb(223, 231, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 231, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 231, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 231, 153);  
box-shadow:4px 4px 4px 4px rgb(223, 231,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 64.7571, 75.1397, 41.2273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 231, 153) }
```

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

```
.background{ background-color: rgb(223,  
231, 153) }
```

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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