

Converting Colors

XYZ(64.8736, 74.9297, 58.5784)

Have a look what the booklet for
XYZ(64.8736, 74.9297, 58.5784)
contains.

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Color

**XYZ(64.8044, 74.7797,
58.5953)**

Conversions

Conversions Part 1

Format	Color
Hex	D4E7BC
RGB	212, 231, 188
RGB Percent	83%, 91%, 74%
CMY	0.1686, 0.0941, 0.2627
CMYK	0.08, 0.00, 0.19, 0.09
HSL	87°, 47%, 82%
HSV	87°, 19%, 91%
XYZ	64.8044, 74.7797, 58.5953
YIQ	220.4170, 2.4790, -17.4010

Conversions

Conversions Part 2

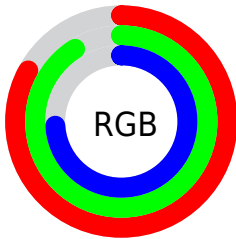
Format	Color
R _{YB}	188, 231, 207
Decimal	13952956
CIE Lab	89.29, -13.76, 18.86
CIE LCh	89, 23.343, 126.123
Yxy	74.7797, 0.3270, 0.3773
Android (android.graphics.Color)	4292143036 (0xFFD4E7BC)
YUV	220.4170, -15.9816, -7.3817
Hunter-Lab	86.4753, -17.5641, 20.3580

Details

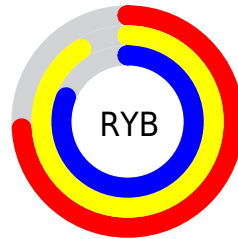
The XYZ color **64.8044, 74.7797, 58.5953** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **58.1421, 55.0034, 83.1576**, and the grayscale version is **68.4276, 71.9911, 78.3983**.

A 20% lighter version of the original color is **93.3291, 99.3117, 99.8380**, and **33.6078, 39.5773, 28.7895** is the 20% darker color. If you saturate the color by 10%, you get **59.6609, 72.3955, 46.3795**, and if you desaturate by 10%, it is **70.5366, 77.4259, 72.9224**.

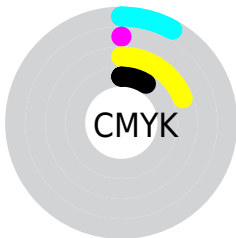
Distribution



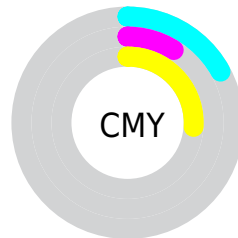
- Red (83%)
- Green (91%)
- Blue (74%)



- Red (74%)
- Yellow (91%)
- Blue (81%)



- Cyan (8%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)





- Cyan (17%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.8044, 74.7797, 58.5953 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 64.8044, 74.7797, 58.5953 by changing the saturation by 10% instead.


 64.8044, 74.7797,
58.5953

 64.8044, 74.7797,
58.5953


431.6451,
477.1600, 437.0606

 47.5666, 55.4324,
41.8696


 110.8359,
126.0005, 104.3126

 33.6936, 39.7480,
28.6744


140.3603,
158.6428, 134.1412

 22.8201, 27.3422,
18.5912


174.7109,
196.4855, 169.1745

 14.5807, 17.8304,
11.2014

214.2531,
239.9131, 209.8311

 8.6100, 10.8283,
6.0866

259.3523,
289.3100, 256.5294

 4.5428, 5.9515,
2.8282

310.3738,

 2.0135, 2.8156,

345.0605, 309.6881

1.0076

367.6829,
407.5490, 369.7256

■ 0.6416, 1.0362,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.8044, 74.7797,
58.5953

■ 64.8044, 74.7797,
58.5953

■ 59.6609, 72.3955,
46.3795

■ 70.5366, 77.4259,
72.9224

■ 55.0779, 70.2540,
36.1703

■ 76.8726, 80.3329,
89.4491

■ 51.0333, 68.3487,
27.8614

■ 83.4610, 83.3633,
106.2996

■ 47.5011, 66.6686,
21.3347

■ 87.0757, 85.2267,
106.4688

■ 44.4528, 65.2019,
16.4589

■ 87.8674, 85.6348,
106.5058

■ 41.8561, 63.9352,
13.0847

■ 39.6736, 62.8532,
11.0357

■ 37.8517, 61.9339,
10.0513

■ 37.6182, 61.8155,
9.9489

Harmonies

Analogous

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



69.9124, 74.7797, 54.0148



64.8044, 74.7797, 58.5953



61.5114, 74.7797, 69.3591

Triad

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



64.8044, 74.7797, 58.5953



66.7284, 74.7797, 113.6534



82.5478, 74.7797, 78.1176

Complementary

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



64.8044, 74.7797, 58.5953



58.1421, 55.0034, 83.1576

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.



81.5837, 74.7797, 94.8091



64.8044, 74.7797, 58.5953



72.2522, 74.7797, 116.8158

Square

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



64.8044, 74.7797, 58.5953



62.5800, 74.7797, 101.3783



77.7394, 74.7797, 109.5198



80.3078, 74.7797, 64.2738

Rectangle

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



64.8044, 74.7797, 58.5953



60.6856, 74.7797, 79.3173



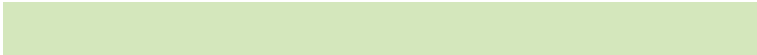
77.7394, 74.7797, 109.5198



82.5892, 74.7797, 83.5644

Sweetspot

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



64.8064, 74.7830, 58.5969



90.2397, 97.7935, 96.3245



64.2590, 65.0706, 56.7511



19.2065, 20.8820, 20.3376



0.0000, 0.0000, 0.0000



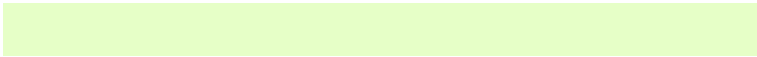
20.3446, 21.4041, 23.3091

Same Dimension

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



64.8064, 74.7830, 58.5969



78.7571, 92.4963, 67.6746



59.1076, 71.8451, 58.3302



14.9548, 16.4838, 15.2979



21.2332, 34.7276, 5.5840



1.6754, 2.6211, 0.4176

Inverse Universe

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



58.1421, 55.0034, 83.1576



69.0955, 63.8190, 103.2843



64.4471, 58.2537, 83.4527



14.1843, 14.1972, 18.1371



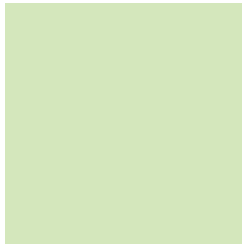
11.3010, 4.8918, 42.7317



0.9404, 0.4158, 3.1627

Previews

White Background



This preview shows how the XYZ color 64.8044, 74.7797, 58.5953 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 64.8044, 74.7797, 58.5953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

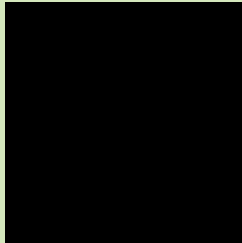
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

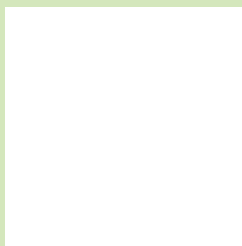
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.8044, 74.7797, 58.5953

Background



This preview shows how black text looks on a background with the XYZ color 64.8044, 74.7797, 58.5953.

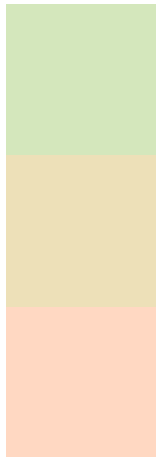


This preview shows how white text looks on a background with the XYZ color 64.8044, 74.7797,

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

64.8044, 74.7797, 58.5953

Protanopia

70.2324, 74.7765, 56.0791

Deuteranopia

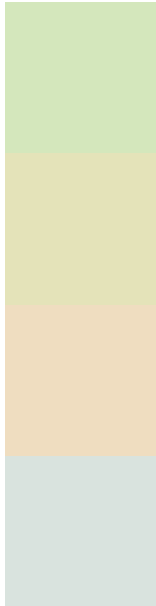
75.5335, 74.2668, 61.3928



Tritanopia

72.0480, 74.8778, 93.8746

Trichromacy



Original Color

64.8044, 74.7797, 58.5953

Protanomaly

68.2209, 74.9349, 56.7672

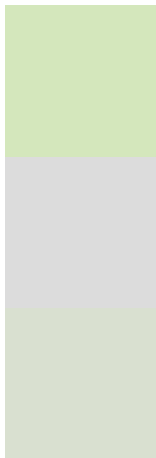
Deuteranomaly

70.9675, 73.8694, 60.3870

Tritanomaly

69.2692, 74.9638, 79.9258

Monochromacy



Original Color

64.8044, 74.7797, 58.5953

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

66.6561, 72.6171, 70.1779

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.8044, 74.7797, 58.5953 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(212, 231, 188)` looks like.

```
.text, #text, p{  
    color:rgb(212, 231, 188)  
}
```

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(212, 231, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 231, 188) }
```

Border

The CSS property to change the border of an element to XYZ 64.8044, 74.7797, 58.5953 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(212, 231, 188) }
```


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

```
.border{ border-color:rgb(212, 231, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 231, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 231, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 231, 188);  
box-shadow:4px 4px 4px 4px rgb(212, 231,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 64.8044, 74.7797, 58.5953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 231, 188) }
```

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

```
.background{ background-color: rgb(212,  
231, 188) }
```

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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