

Converting Colors

XYZ(64.2307, 72.9057, 54.6861)

Have a look what the booklet for
XYZ(64.2307, 72.9057, 54.6861)
contains.

XYZ(64.2315, 72.9145, 54.9445)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(64.2315, 72.9145,
54.9445)**

Conversions

Conversions Part 1

Format	Color
Hex	D8E3B6
RGB	216, 227, 182
RGB Percent	85%, 89%, 71%
CMY	0.1529, 0.1098, 0.2863
CMYK	0.05, 0.00, 0.20, 0.11
HSL	75°, 45%, 80%
HSV	75°, 20%, 89%
XYZ	64.2315, 72.9145, 54.9445
YIQ	218.5810, 7.8890, -16.3270

Conversions

Conversions Part 2

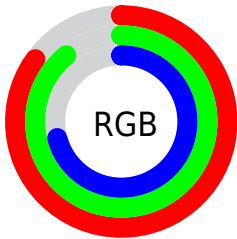
Format	Color
RYB	182, 227, 193
Decimal	14214070
CIELab	88.41, -11.26, 20.78
CIELCh	88, 23.637, 118.440
Yxy	72.9145, 0.3344, 0.3796
Android (android.graphics.Color)	4292404150 (0xFFD8E3B6)
YUV	218.5810, -18.0344, -2.2635
Hunter-Lab	85.3900, -15.1624, 21.6226

Details

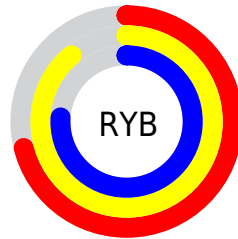
The XYZ color **64.2315, 72.9145, 54.9445** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **52.5882, 50.3414, 79.6222**, and the grayscale version is **67.1604, 70.6580, 76.9466**.

A 20% lighter version of the original color is **92.4326, 98.9530, 95.1170**, and **33.4129, 38.6671, 26.4713** is the 20% darker color. If you saturate the color by 10%, you get **60.4614, 71.2226, 43.4989**, and if you desaturate by 10%, it is **68.4412, 74.7935, 68.3988**.

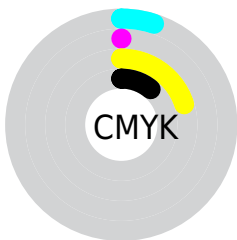
Distribution



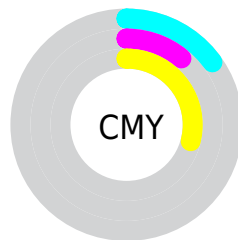
- Red (85%)
- Green (89%)
- Blue (71%)



- Red (71%)
- Yellow (89%)
- Blue (76%)



- Cyan (5%)
- Magenta (0%)
- Yellow (20%)
- Black (11%)



- Cyan (15%)
- Magenta (11%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 64.2315, 72.9145, 54.9445 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 64.2315, 72.9145, 54.9445 by changing the saturation by 10% instead.

■ 64.2315, 72.9145,
54.9445

■ 64.2315, 72.9145,
54.9445

429.6141,
470.7184, 422.9775

■ 47.1006, 53.9061,
38.9590

■ 110.0161,
123.3558, 98.9300

■ 33.3235, 38.5266,
26.4202

139.4006,
155.5575, 127.7670

■ 22.5348, 26.3916,
16.9097

173.6002,
192.9257, 161.7250

■ 14.3692, 17.1168,
10.0089

212.9804,
235.8448, 201.2224

■ 8.4613, 10.3178,
5.2991

257.9066,
284.6992, 246.6778

■ 4.4458, 5.6102,
2.3620

308.7440,

■ 1.9573, 2.6095,

339.8734, 298.5098

0.7657

365.8581,
401.7517, 357.1369

■ 0.6098, 0.9315,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 64.2315, 72.9145,
54.9445

■ 64.2315, 72.9145,
54.9445

■ 60.4614, 71.2226,
43.4989

■ 68.4412, 74.7935,
68.3988

■ 57.1063, 69.7006,
33.9608

■ 73.1024, 76.8571,
83.9470

■ 54.1478, 68.3436,
26.2276

■ 78.2335, 79.1152,
101.6751

■ 51.5636, 67.1424,
20.1849

■ 80.8492, 80.3738,
105.8602

■ 49.3290, 66.0873,
15.7053

■ 82.7440, 81.3506,
105.9489

■ 47.4158, 65.1668,
12.6434

■ 84.6969, 82.3573,
106.0403

■ 45.7905, 64.3675,
10.8265

■ 86.7082, 83.3941,
106.1344

■ 44.3969, 63.6667,
9.9604

■ 86.7606, 83.4212,
106.1369

■ 44.3734, 63.6549,
9.9479

Harmonies

Analogous

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



69.6008, 72.9145, 52.0528



64.2315, 72.9145, 54.9445



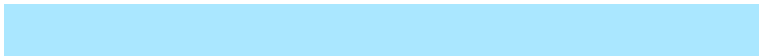
60.4084, 72.9145, 64.1220

Triad

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



64.2315, 72.9145, 54.9445



63.7432, 72.9145, 109.1329



80.8022, 72.9145, 80.2460

Complementary

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



64.2315, 72.9145, 54.9445



52.5882, 50.3414, 79.6222

Split Complementary

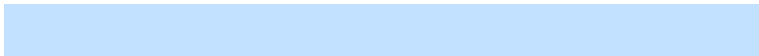
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.0306, 72.9145, 96.9109



64.2315, 72.9145, 54.9445



69.0062, 72.9145, 114.9372

Square

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



64.2315, 72.9145, 54.9445



60.1375, 72.9145, 95.2363



74.6348, 72.9145, 110.1889



79.3555, 72.9145, 65.4095

Rectangle

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



64.2315, 72.9145, 54.9445



59.1456, 72.9145, 73.2878



74.6348, 72.9145, 110.1889



80.5616, 72.9145, 85.8251

Sweetspot

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



64.2334, 72.9177, 54.9461



91.3206, 98.3508, 96.3751



59.0842, 57.6297, 52.2666



19.4623, 21.0139, 20.3495



0.0000, 0.0000, 0.0000



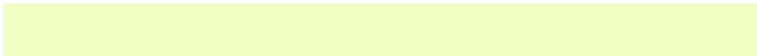
20.3446, 21.4041, 23.3091

Same Dimension

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



64.2334, 72.9177, 54.9461



81.4221, 93.9374, 64.7616



58.1632, 69.7884, 54.6620



15.2392, 16.6304, 15.3112



25.9879, 37.1787, 5.8065



2.0028, 2.7898, 0.4329

Inverse Universe

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



52.5882, 50.3414, 79.6222



63.5254, 59.2357, 102.6932



58.6199, 53.4508, 79.9045



13.9113, 14.0565, 18.1243



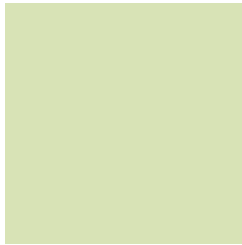
9.1099, 3.7622, 42.6292



0.7558, 0.3206, 3.1540

Previews

White Background



This preview shows how the XYZ color 64.2315, 72.9145, 54.9445 looks on a white background.

Color Contrast Check

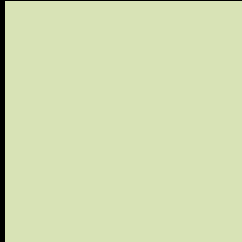
Large Text (above 18pt) WCAG AA × Fail

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 64.2315, 72.9145, 54.9445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

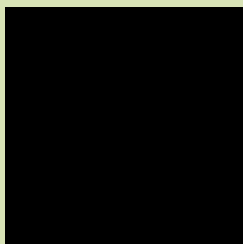
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

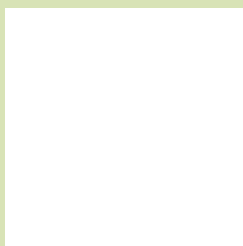
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.2315, 72.9145, 54.9445

Background



This preview shows how black text looks on a background with the XYZ color 64.2315, 72.9145, 54.9445.



This preview shows how white text looks on a background with the XYZ color 64.2315, 72.9145,

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

64.2315, 72.9145, 54.9445

Protanopia

68.2541, 72.6297, 53.0694

Deuteranopia

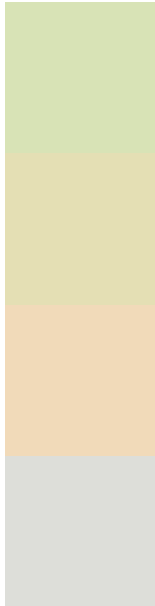
73.8972, 72.3937, 56.5329



Tritanopia

71.3580, 72.6248, 90.3778

Trichromacy



Original Color

64.2315, 72.9145, 54.9445

Protanomaly

66.6208, 72.5646, 53.6751

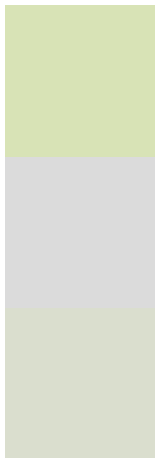
Deuteranomaly

70.1040, 72.3464, 56.1683

Tritanomaly

68.4645, 72.6245, 76.0551

Monochromacy



Original Color

64.2315, 72.9145, 54.9445

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

66.1753, 71.6042, 68.7257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.2315, 72.9145, 54.9445 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(216, 227, 182)` looks like.

```
.text, #text, p{  
    color:rgb(216, 227, 182)  
}
```

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(216, 227, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 227, 182) }
```

Border

The CSS property to change the border of an element to XYZ 64.2315, 72.9145, 54.9445 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(216, 227, 182) }
```


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

```
.border{ border-color:rgb(216, 227, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 227, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 227, 182); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 227, 182); box-shadow:4px 4px 4px 4px rgb(216, 227, 182) }
```

Background

The CSS property to change the background color of an element to XYZ 64.2315, 72.9145, 54.9445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 227, 182) }
```

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

```
.background{ background-color: rgb(216,  
227, 182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor