

Converting Colors

XYZ(59.4398, 71.2383, 37.4061)

Have a look what the booklet for
XYZ(59.4398, 71.2383, 37.4061)
contains.

XYZ(59.4326, 71.2328, 37.4049)	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(59.4326, 71.2328,
37.4049)**

Conversions

Conversions Part 1

Format	Color
Hex	D2E491
RGB	210, 228, 145
RGB Percent	82%, 89%, 57%
CMY	0.1765, 0.1059, 0.4314
CMYK	0.08, 0.00, 0.36, 0.11
HSL	73°, 61%, 73%
HSV	73°, 36%, 89%
XYZ	59.4326, 71.2328, 37.4049
YIQ	213.1560, 15.9150, -29.6290

Conversions

Conversions Part 2

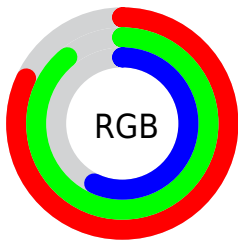
Format	Color
RYB	145, 228, 163
Decimal	13821073
CIELab	87.60, -18.98, 38.54
CIELCh	88, 42.965, 116.218
Yxy	71.2328, 0.3536, 0.4238
Android (android.graphics.Color)	4292011153 (0xFFD2E491)
YUV	213.1560, -33.6009, -2.7678
Hunter-Lab	84.3995, -22.0027, 32.8030

Details

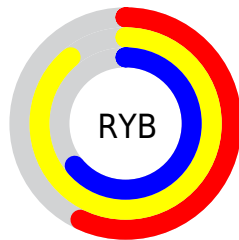
The XYZ color **59.4326, 71.2328, 37.4049** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **39.2360, 33.6406, 77.8282**, and the grayscale version is **63.5622, 66.8724, 72.8240**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **30.2458, 37.5475, 16.0092** is the 20% darker color. If you saturate the color by 10%, you get **56.4621, 69.8869, 28.9916**, and if you desaturate by 10%, it is **62.8030, 72.7486, 47.6814**.

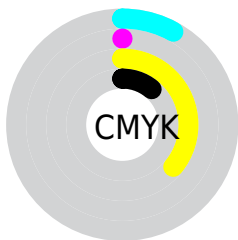
Distribution



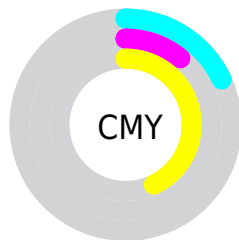
- Red (82%)
- Green (89%)
- Blue (57%)



- Red (57%)
- Yellow (89%)
- Blue (64%)



- Cyan (8%)
- Magenta (0%)
- Yellow (36%)
- Black (11%)





- Cyan (18%)
- Magenta (11%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.4326, 71.2328, 37.4049 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 59.4326, 71.2328, 37.4049 by changing the saturation by 10% instead.


 59.4326, 71.2328,
37.4049


 59.4326, 71.2328,
37.4049


412.3715,
464.8668, 350.2815

 43.2092, 52.5322,
25.2229


 103.1172,
120.9651, 72.3884

 30.2445, 37.4295,
16.0227


 131.3090,
152.7657, 96.0269

 20.1732, 25.5402,
9.3857

164.2211,
189.7017, 124.3214

 12.6300, 16.4800,
4.8934

202.2187,
232.1575, 157.6903

 7.2495, 9.8644,
2.1272

245.6671,
280.5175, 196.5522

 3.6663, 5.3092,
0.6319

294.9319,

 1.5152, 2.4298,

335.1661, 241.3257

0.0000

350.3782,
396.4878, 292.4293

■ 0.3361, 0.8411,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.4326, 71.2328,
37.4049

■ 59.4326, 71.2328,
37.4049

■ 56.4621, 69.8869,
28.9916

■ 62.8030, 72.7486,
47.6814

■ 53.8647, 68.6927,
22.3253

■ 66.5879, 74.4329,
59.9192

■ 51.6181, 67.6438,
17.2835

■ 70.8075, 76.2961,
74.2147

■ 49.6954, 66.7294,
13.7263

■ 75.4789, 78.3452,
90.6568

■ 48.0651, 65.9368,
11.4901

■ 79.9669, 80.3262,
105.8975

■ 46.6879, 65.2501,
10.3693

■ 81.6203, 81.1785,
105.9749

■ 46.2305, 65.0196,
10.1134

■ 83.3194, 82.0545,
106.0544

■ 85.0647, 82.9542,
106.1361

■ 86.8564, 83.8779,
106.2200

Harmonies

Analogous

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



69.0019, 71.2328, 34.0447



59.4326, 71.2328, 37.4049



52.7257, 71.2328, 50.4162

Triad

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



59.4326, 71.2328, 37.4049



57.4090, 71.2328, 134.0005



89.1372, 71.2328, 81.3111

Complementary

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



59.4326, 71.2328, 37.4049



39.2360, 33.6406, 77.8282

Split Complementary

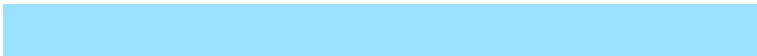
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.2816, 71.2328, 113.0295



59.4326, 71.2328, 37.4049



66.4237, 71.2328, 147.8851

Square

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



59.4326, 71.2328, 37.4049



51.6421, 71.2328, 105.0078



76.7107, 71.2328, 139.3867



86.7940, 71.2328, 55.3683

Rectangle

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



59.4326, 71.2328, 37.4049



50.4427, 71.2328, 64.9763



76.7107, 71.2328, 139.3867



88.5139, 71.2328, 91.6727

Sweetspot

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



59.4344, 71.2360, 37.4064



88.6550, 97.1875, 86.7233



50.2025, 44.7289, 32.7766



18.8176, 20.7322, 18.0272



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.



59.4344, 71.2360, 37.4064



73.5485, 90.4297, 39.4855



49.1153, 65.9163, 36.9235



15.2796, 16.6512, 15.3131



26.7981, 37.5964, 5.8444



2.0564, 2.8175, 0.4354

Inverse Universe

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



39.2360, 33.6406, 77.8282



43.8082, 35.0355, 99.0613



49.1660, 38.7597, 78.2929



13.8737, 14.0371, 18.1225



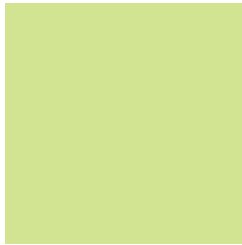
8.9124, 3.6604, 42.6200



0.7364, 0.3106, 3.1531

Previews

White Background



This preview shows how the XYZ color 59.4326, 71.2328, 37.4049 looks on a white background.

Color Contrast Check

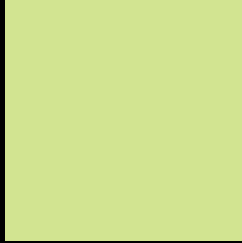
Large Text (above 18pt) WCAG AA × Fail

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 59.4326, 71.2328, 37.4049 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

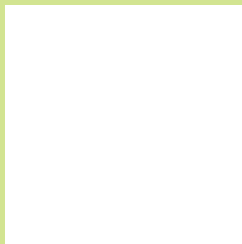
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 59.4326, 71.2328, 37.4049

Background



This preview shows how black text looks on a background with the XYZ color 59.4326, 71.2328, 37.4049.

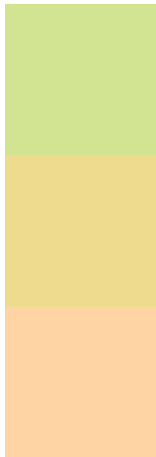


This preview shows how white text looks on a background with the XYZ color 59.4326, 71.2328,

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

59.4326, 71.2328, 37.4049

Protanopia

65.4739, 70.7932, 35.8048

Deuteranopia

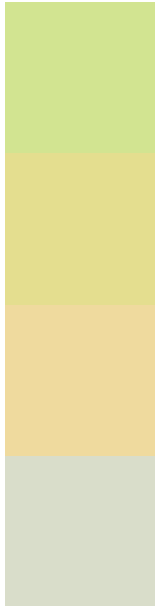
71.5750, 71.0636, 45.5415



Tritanopia

69.4829, 70.9384, 87.8722

Trichromacy



Original Color

59.4326, 71.2328, 37.4049

Protanomaly

63.0741, 70.7197, 36.3125

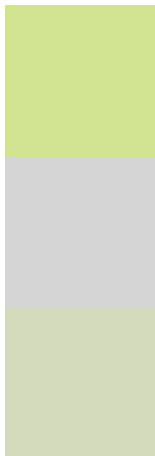
Deuteranomaly

66.8396, 70.9622, 42.5220

Tritanomaly

65.1324, 70.7289, 66.0963

Monochromacy



Original Color

59.4326, 71.2328, 37.4049

Achromatopsia

63.2451, 66.5387, 72.4607

Achromatomaly

61.2999, 67.7707, 57.4272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.4326, 71.2328, 37.4049 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(210, 228, 145)` looks like.

```
.text, #text, p{  
    color:rgb(210, 228, 145)  
}
```

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(210, 228, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 228, 145) }
```

Border

The CSS property to change the border of an element to XYZ 59.4326, 71.2328, 37.4049 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(210, 228, 145) }
```


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

```
.border{ border-color:rgb(210, 228, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 228, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 228, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 228, 145);  
box-shadow:4px 4px 4px 4px rgb(210, 228,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 59.4326, 71.2328, 37.4049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 228, 145) }
```

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

```
.background{ background-color: rgb(210,  
228, 145) }
```

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