

Converting Colors

XYZ(59.9292, 71.0778, 19.3659)

Have a look what the booklet for
XYZ(59.9292, 71.0778, 19.3659)
contains.

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Color

**XYZ(59.9274, 71.0721,
19.3639)**

Conversions

Conversions Part 1

Format	Color
Hex	E1E256
RGB	225, 226, 86
RGB Percent	88%, 89%, 34%
CMY	0.1176, 0.1137, 0.6627
CMYK	0.00, 0.00, 0.62, 0.11
HSL	60°, 71%, 61%
HSV	60°, 62%, 89%
XYZ	59.9274, 71.0721, 19.3639
YIQ	209.7410, 44.3440, -43.7520

Conversions

Conversions Part 2

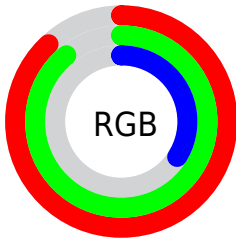
Format	Color
RYB	86, 226, 87
Decimal	14803542
CIELab	87.52, -17.46, 66.01
CIELCh	88, 68.282, 104.817
Yxy	71.0721, 0.3986, 0.4727
Android (android.graphics.Color)	4292993622 (0xFFE1E256)
YUV	209.7410, -61.0043, 13.3821
Hunter-Lab	84.3043, -20.6464, 45.3946

Details

The XYZ color **59.9274, 71.0721, 19.3639** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **20.9879, 14.1744, 73.5855**, and the grayscale version is **61.4574, 64.6580, 70.4125**.

A 20% lighter version of the original color is **81.8077, 94.7031, 39.1671**, and **30.6641, 37.4073, 6.4683** is the 20% darker color. If you saturate the color by 10%, you get **59.1071, 70.7407, 15.3011**, and if you desaturate by 10%, it is **61.0389, 71.5252, 24.9454**.

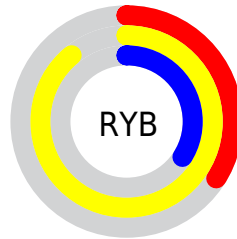
Distribution



Red (88%)

Green (89%)

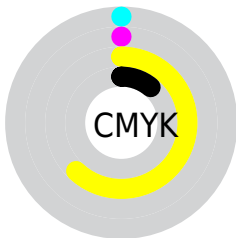
Blue (34%)



Red (34%)

Yellow (89%)

Blue (34%)

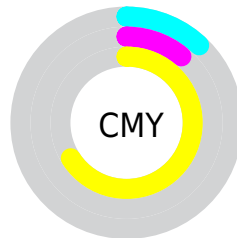


Cyan (0%)

Magenta (0%)

Yellow (62%)

Black (11%)



Cyan (12%)

Magenta (11%)

Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.9274, 71.0721, 19.3639 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 59.9274, 71.0721, 19.3639 by changing the saturation by 10% instead.

■ 59.9274, 71.0721,
19.3639

■ 59.9274, 71.0721,
19.3639

414.1691,
464.3054, 260.9397

■ 43.6094, 52.4010,
11.7540

■ 103.8313,
120.7364, 43.1930

■ 30.5601, 37.3248,
6.4559

■ 132.1478,
152.4984, 60.2493

■ 20.4143, 25.4591,
3.0510

■ 165.1946,
189.3928, 81.2914

■ 12.8066, 16.4194,
1.1207

■ 203.3370,
231.8041, 106.7381

■ 7.3716, 9.8214,
0.0000

246.9402,
280.1166, 137.0077

■ 3.7439, 5.2807,
0.0000

296.3698,

■ 1.5583, 2.4129,

334.7147, 172.5188

0.0000

351.9910,
395.9829, 213.6900

■ 0.3650, 0.8325,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 59.9274, 71.0721,
19.3639

■ 59.9274, 71.0721,
19.3639

■ 59.1071, 70.7407,
15.3011

■ 61.0389, 71.5252,
24.9454

■ 58.5448, 70.5100,
12.6040


■ 62.4613, 72.1000,
32.1705


■ 58.2083, 70.3695,
11.0958

■ 64.2180, 72.8085,
41.1561


■ 58.0568, 70.3042,
10.5102


■ 66.3290, 73.6588,
52.0073

 68.8127, 74.6582,
64.8210

 71.6863, 75.8135,
79.6873

 74.9658, 77.1312,
96.6908

 76.7060, 77.8331,
105.5882

 76.7570, 77.8595,
105.5906

Harmonies

Analogous

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



76.0039, 71.0721, 19.4223



59.9274, 71.0721, 19.3639



47.9661, 71.0721, 29.9338

Triad

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



59.9274, 71.0721, 19.3639



47.8548, 71.0721, 158.3852



102.1193, 71.0721, 103.0551

Complementary

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



59.9274, 71.0721, 19.3639



20.9879, 14.1744, 73.5855

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.



91.8531, 71.0721, 159.0326



59.9274, 71.0721, 19.3639



59.7510, 71.0721, 198.6442

Square

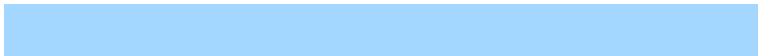
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



59.9274, 71.0721, 19.3639



41.7877, 71.0721, 102.3934



75.7971, 71.0721, 198.9195



102.1868, 71.0721, 56.8219

Rectangle

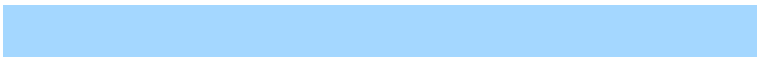
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



59.9274, 71.0721, 19.3639



43.1945, 71.0721, 45.4115



75.7971, 71.0721, 198.9195



99.6822, 71.0721, 121.6635

Sweetspot

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



59.9291, 71.0754, 19.3654



88.0795, 97.1970, 72.8621



36.3739, 23.4980, 11.4235



18.6625, 20.7276, 14.6159



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.



59.9291, 71.0754, 19.3654



77.4949, 92.9205, 19.0518



42.5892, 62.1364, 18.5539



14.8615, 16.0243, 14.6165



33.1241, 40.1086, 5.9959



2.2992, 2.7818, 0.4158

Inverse Universe

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



20.9879, 14.1744, 73.5855



22.3758, 12.3682, 95.8157



30.7677, 19.2160, 74.0432



12.9611, 13.2480, 17.2617



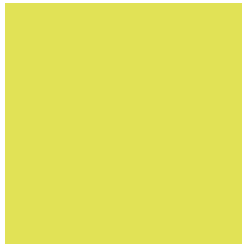
7.8474, 3.1408, 41.2410



0.5472, 0.2194, 2.8587

Previews

White Background



This preview shows how the XYZ color 59.9274, 71.0721, 19.3639 looks on a white background.

Color Contrast Check

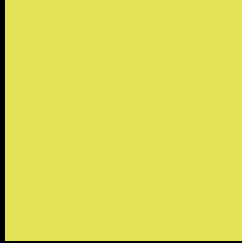
Large Text (above 18pt) WCAG AA × Fail

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 59.9274, 71.0721, 19.3639 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 59.9274, 71.0721, 19.3639

Background



This preview shows how black text looks on a background with the XYZ color 59.9274, 71.0721, 19.3639.

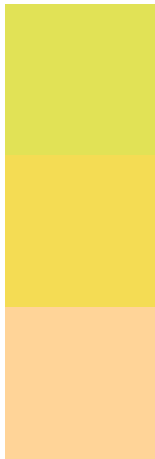


This preview shows how white text looks on a background with the XYZ color 59.9274, 71.0721,

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

59.9274, 71.0721, 19.3639

Protanopia

64.5017, 71.0596, 18.7038

Deuteranopia

70.4510, 70.6140, 39.6225



Tritanopia

73.1437, 71.0391, 83.2556

Trichromacy



Original Color

59.9274, 71.0721, 19.3639

Protanomaly

62.6860, 70.9030, 18.9761

Deuteranomaly

66.0174, 70.4173, 30.5345

Tritanomaly

66.5810, 70.2527, 51.1252

Monochromacy



Original Color

59.9274, 71.0721, 19.3639

Achromatopsia

61.2578, 64.4480, 70.1838

Achromatomaly

59.3717, 66.2754, 45.2605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.9274, 71.0721, 19.3639 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(225, 226, 86)` looks like.

```
.text, #text, p{  
    color:rgb(225, 226, 86)  
}
```

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(225, 226, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 226, 86) }
```

Border

The CSS property to change the border of an element to XYZ 59.9274, 71.0721, 19.3639 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(225, 226, 86) }
```


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

```
.border{ border-color:rgb(225, 226, 86) }
```

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

Here you see how a box with a 4 pixel rgb(225, 226, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 226, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 226, 86);  
box-shadow:4px 4px 4px 4px rgb(225, 226,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 59.9274, 71.0721, 19.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 226, 86) }
```

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

```
.background{ background-color: rgb(225,  
226, 86) }
```

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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