

Converting Colors

XYZ(71.5023, 78.1887, 23.1034)

Have a look what the booklet for
XYZ(71.5023, 78.1887, 23.1034)
contains.

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Color

**XYZ(71.5114, 78.1995,
23.1293)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE563
RGB	255, 229, 99
RGB Percent	100%, 90%, 39%
CMY	0.0000, 0.1019, 0.6118
CMYK	0.00, 0.10, 0.61, 0.00
HSL	50°, 100%, 69%
HSV	50°, 61%, 100%
XYZ	71.5114, 78.1995, 23.1293
YIQ	221.9540, 57.2260, -34.9180

Conversions

Conversions Part 2

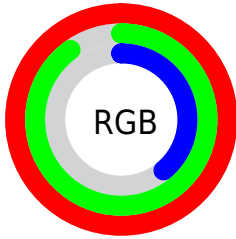
Format	Color
R_{YB}	130, 255, 99
Decimal	16770403
CIE _{Lab}	90.87, -5.89, 64.93
CIE _{LCh}	91, 65.193, 95.184
Yxy	78.1995, 0.4137, 0.4524
Android (android.graphics.Color)	4294960483 (0xFFFFE563)
YUV	221.9540, -60.6163, 28.9813
Hunter-Lab	88.4305, -10.4051, 46.3938

Details

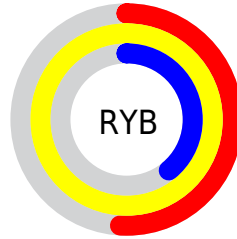
The XYZ color **71.5114, 78.1995, 23.1293** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.5290, 24.5390, 97.7345**, and the grayscale version is **69.7868, 73.4212, 79.9556**.

A 20% lighter version of the original color is **82.8327, 95.1131, 44.5648**, and **38.0596, 42.0414, 8.2993** is the 20% darker color. If you saturate the color by 10%, you get **69.3189, 75.4673, 17.3044**, and if you desaturate by 10%, it is **74.1211, 81.1506, 30.9932**.

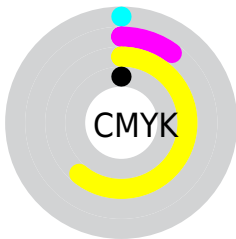
Distribution



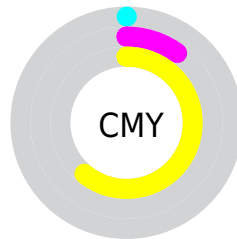
- Red (100%)
- Green (90%)
- Blue (39%)



- Red (51%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (10%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.5114, 78.1995, 23.1293 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 71.5114, 78.1995, 23.1293 by changing the saturation by 10% instead.


 71.5114, 78.1995,
23.1293


 71.5114, 78.1995,
23.1293


455.0232,
488.8441, 281.5318

 53.0437, 58.2379,
14.4828


 120.3762,
130.8313, 49.5314

 38.0653, 41.9999,
8.3147


 151.5039,
164.2703, 68.1242

 26.2108, 29.1012,
4.2063


 187.5824,
202.9705, 90.8694

 17.1149, 19.1574,
1.7392

 228.9770,
247.3164, 118.1856

 10.4123, 11.7841,
0.3874

276.0530,
297.6923, 150.4915

 5.7375, 6.5968,
0.0000

329.1758,

 2.7253, 3.2113,

354.4826, 188.2054

0.0000

388.7108,
418.0717, 231.7460

■ 1.0102, 1.2430,
0.0000

■ 0.0000, 0.0964,
0.0000

■ 71.5114, 78.1995,
23.1293

■ 71.5114, 78.1995,
23.1293

■ 69.3189, 75.4673,
17.3044

■ 74.1211, 81.1506,
30.9932

■ 67.5003, 72.9274,
13.3155


■ 77.1755, 84.3230,
41.0640


■ 66.0120, 70.5650,
10.9260

■ 80.7059, 87.7324,
53.4976

■ 64.9111, 68.6025,
9.8204

■ 84.7392, 91.3900,
68.4342

 89.3001, 95.3059,
86.0034

 94.4116, 99.4897,
106.3255

 95.0497, 99.9999,
108.9000

Harmonies

Analogous

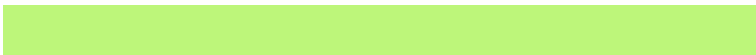
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.3732, 78.1995, 26.6385



71.5114, 78.1995, 23.1293



57.5857, 78.1995, 30.5816

Triad

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



71.5114, 78.1995, 23.1293



51.4030, 78.1995, 148.5584



106.8058, 78.1995, 128.9891

Complementary

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



71.5114, 78.1995, 23.1293



30.5290, 24.5390, 97.7345

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.



94.0324, 78.1995, 182.4295



71.5114, 78.1995, 23.1293



61.8528, 78.1995, 196.3396

Square

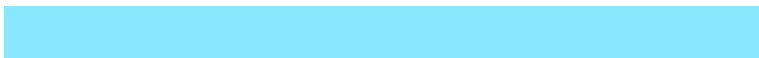
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.5114, 78.1995, 23.1293



47.1201, 78.1995, 93.5753



77.2141, 78.1995, 210.5922



110.3916, 78.1995, 77.2386

Rectangle

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



71.5114, 78.1995, 23.1293



51.3122, 78.1995, 43.2677



77.2141, 78.1995, 210.5922



103.3607, 78.1995, 147.8711

Sweetspot

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



71.5132, 78.2032, 23.1309



86.1295, 92.6055, 73.7217



49.4038, 31.6650, 22.9111



18.1622, 19.5828, 14.7401



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.



71.5132, 78.2032, 23.1309



68.9607, 74.9901, 16.4458



62.6409, 85.1170, 24.9330



19.2885, 20.5451, 19.0933



34.0130, 36.0372, 5.1632



3.3771, 3.6395, 0.5245

Inverse Universe

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



30.5290, 24.5390, 97.7345



25.0380, 17.5685, 96.6792



35.2750, 22.7238, 97.1340



17.2475, 17.8666, 22.7895



9.9444, 4.7985, 49.8366



1.0337, 0.5981, 4.8742

Previews

White Background



This preview shows how the XYZ color 71.5114, 78.1995, 23.1293 looks on a white background.

Color Contrast Check

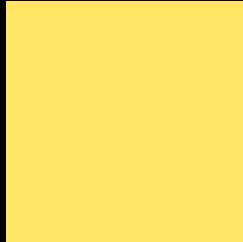
Large Text (above 18pt) WCAG AA × Fail

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 71.5114, 78.1995, 23.1293 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 71.5114, 78.1995, 23.1293

Background



This preview shows how black text looks on a background with the XYZ color 71.5114, 78.1995, 23.1293.



This preview shows how white text looks on a background with the XYZ color 71.5114, 78.1995,

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

71.5114, 78.1995, 23.1293

Protanopia

71.1445, 78.0103, 23.1122

Deuteranopia

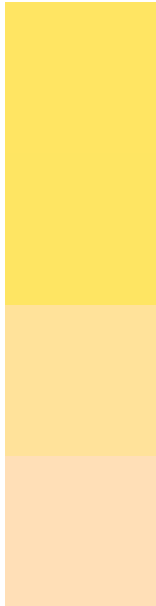
76.6526, 78.0741, 56.9287



Tritanopia

81.2570, 78.2159, 86.4158

Trichromacy



Original Color

71.5114, 78.1995, 23.1293

Protanomaly

71.1445, 78.0103, 23.1122

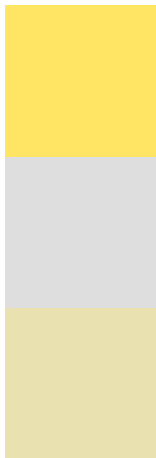
Deuteranomaly

74.2691, 77.9858, 41.7102

Tritanomaly

76.1749, 77.4542, 55.7351

Monochromacy



Original Color

71.5114, 78.1995, 23.1293

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

68.7927, 74.5172, 52.3525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5114, 78.1995, 23.1293 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(255, 229, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 99)  
}
```

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(255, 229, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 99) }
```

Border

The CSS property to change the border of an element to XYZ 71.5114, 78.1995, 23.1293 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(255, 229, 99) }
```


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

```
.border{ border-color:rgb(255, 229, 99) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5114, 78.1995, 23.1293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 99) }
```

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

```
.background{ background-color: rgb(255,  
229, 99) }
```

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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