

Converting Colors

XYZ(71.8691, 78.6811, 23.9694)

Have a look what the booklet for
XYZ(71.8691, 78.6811, 23.9694)
contains.

XYZ(71.9351, 78.8129, 23.9914)	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(71.9351, 78.8129,
23.9914)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE666
RGB	255, 230, 102
RGB Percent	100%, 90%, 40%
CMY	0.0000, 0.0980, 0.6000
CMYK	0.00, 0.10, 0.60, 0.00
HSL	50°, 100%, 70%
HSV	50°, 60%, 100%
XYZ	71.9351, 78.8129, 23.9914
YIQ	222.8830, 55.9880, -34.5080

Conversions

Conversions Part 2

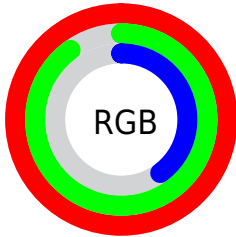
Format	Color
R _Y B	132, 255, 102
Decimal	16770662
CIE Lab	91.15, -6.20, 63.94
CIE LCh	91, 64.241, 95.534
Yxy	78.8129, 0.4117, 0.4510
Android (android.graphics.Color)	4294960742 (0xFFFFE666)
YUV	222.8830, -59.5953, 28.1666
Hunter-Lab	88.7766, -10.7218, 46.1208

Details

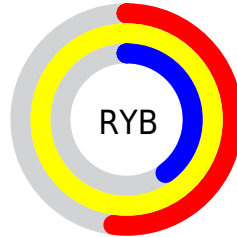
The XYZ color **71.9351, 78.8129, 23.9914** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.1188, 25.2228, 97.8357**, and the grayscale version is **70.4400, 74.1084, 80.7040**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **38.3288, 42.4593, 8.7601** is the 20% darker color. If you saturate the color by 10%, you get **69.7151, 76.0951, 17.9431**, and if you desaturate by 10%, it is **74.5754, 81.7491, 32.0998**.

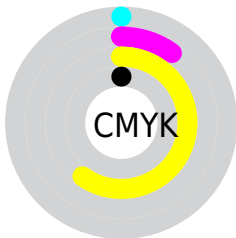
Distribution



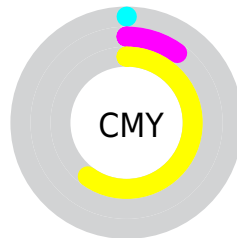
- Red (100%)
- Green (90%)
- Blue (40%)



- Red (52%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (10%)
- Yellow (60%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.9351, 78.8129, 23.9914 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 71.9351, 78.8129, 23.9914 by changing the saturation by 10% instead.


 71.9351, 78.8129,
23.9914


 71.9351, 78.8129,
23.9914


456.4768,
490.9232, 286.0622

 53.3909, 58.7420,
15.1151


 120.9756,
131.6954, 50.9598

 38.3437, 42.4055,
8.7527


 152.2026,
165.2758, 69.8890

 26.4280, 29.4189,
4.4856


 188.3879,
204.1282, 93.0063

 17.2784, 19.3979,
1.8954

 229.8969,
248.6369, 120.7301

 10.5297, 11.9582,
0.4898

277.0949,
299.1864, 153.4791

 5.8165, 6.7152,
0.0000

330.3474,

 2.7734, 3.2846,

356.1610, 191.6717

0.0000

390.0195,
419.9451, 235.7266

■ 1.0351, 1.2821,
0.0000

■ 0.0000, 0.1273,
0.0000

■ 71.9351, 78.8129,
23.9914

■ 71.9351, 78.8129,
23.9914

■ 69.7151, 76.0951,
17.9431

■ 74.5754, 81.7491,
32.0998

■ 67.8726, 73.5693,
13.7554

■ 77.6629, 84.9059,
42.4338

■ 66.3653, 71.2213,
11.1977

■ 81.2286, 88.2989,
55.1473

■ 65.1208, 69.0218,
9.8904

■ 85.2990, 91.9390,
70.3792

■ 65.1206, 69.0215,
9.8903

■ 89.8986, 95.8363,
88.2580

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



88.6153, 78.8129, 27.3997



71.9351, 78.8129, 23.9914



58.1713, 78.8129, 31.6338

Triad

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



71.9351, 78.8129, 23.9914



52.2426, 78.8129, 149.0665



107.1153, 78.8129, 128.4858

Complementary

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



71.9351, 78.8129, 23.9914



31.1188, 25.2228, 97.8357

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.



94.5846, 78.8129, 181.2244



71.9351, 78.8129, 23.9914



62.6949, 78.8129, 195.8096

Square

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



71.9351, 78.8129, 23.9914



47.9051, 78.8129, 94.7398



77.9644, 78.8129, 209.3181



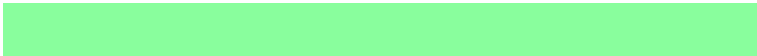
110.5285, 78.8129, 77.4670

Rectangle

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



71.9351, 78.8129, 23.9914



51.9802, 78.8129, 44.4675



77.9644, 78.8129, 209.3181



103.7493, 78.8129, 147.1001

Sweetspot

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



71.9370, 78.8166, 23.9930



86.1755, 92.6973, 73.7370



49.8552, 32.3088, 23.8596



18.1735, 19.6055, 14.7439



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.



71.9370, 78.8166, 23.9930



69.3175, 75.5747, 16.9627



63.0604, 85.3166, 25.7155



19.2937, 20.5557, 19.0951



34.1210, 36.2532, 5.1992



3.3866, 3.6586, 0.5277

Inverse Universe

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



31.1188, 25.2228, 97.8357



25.3698, 17.9585, 96.7369



35.9390, 23.4960, 97.2483



17.2427, 17.8569, 22.7879



9.9278, 4.7653, 49.8311



1.0314, 0.5934, 4.8735

Previews

White Background



This preview shows how the XYZ color 71.9351, 78.8129, 23.9914 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 71.9351, 78.8129, 23.9914 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 71.9351, 78.8129, 23.9914

Background



This preview shows how black text looks on a background with the XYZ color 71.9351, 78.8129, 23.9914.



This preview shows how white text looks on a background with the XYZ color 71.9351, 78.8129,

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

71.9351, 78.8129, 23.9914

Protanopia

71.9850, 78.8329, 24.2542

Deuteranopia

77.2423, 78.7413, 58.7044



Tritanopia

81.6619, 78.7991, 87.2496

Trichromacy



Original Color

71.9351, 78.8129, 23.9914

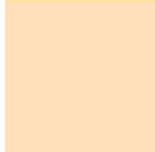
Protanomaly

71.9850, 78.8329, 24.2542



Deuteranomaly

74.7949, 78.6325, 43.1338



Tritanomaly

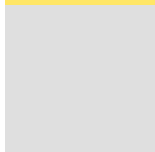
76.6526, 78.0741, 56.9287

Monochromacy



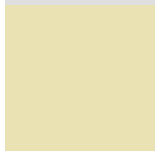
Original Color

71.9351, 78.8129, 23.9914



Achromatopsia

70.1384, 73.7910, 80.3584



Achromatomaly

69.5940, 75.3096, 53.5160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9351, 78.8129, 23.9914 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, 230, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 102)  
}
```

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, 230, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 102) }
```

Border

The CSS property to change the border of an element to XYZ 71.9351, 78.8129, 23.9914 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, 230, 102) }
```


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

```
.border{ border-color:rgb(255, 230, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9351, 78.8129, 23.9914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 102) }
```

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

```
.background{ background-color: rgb(255,  
230, 102) }
```

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