

Converting Colors

XYZ(71.4219, 81.3255, 12.9103)

Have a look what the booklet for
XYZ(71.4219, 81.3255, 12.9103)
contains.

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Color

**XYZ(71.4219, 81.3255,
12.9103)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC1A
RGB	255, 236, 26
RGB Percent	100%, 93%, 10%
CMY	0.0000, 0.0745, 0.8980
CMYK	0.00, 0.07, 0.90, 0.00
HSL	55°, 100%, 55%
HSV	55°, 90%, 100%
XYZ	71.4219, 81.3255, 12.9103
YIQ	217.7410, 78.7340, -61.2820

Conversions

Conversions Part 2

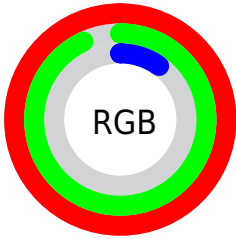
Format	Color
RYB	47, 255, 26
Decimal	16772122
CIELab	92.28, -12.14, 88.43
CIELCh	92, 89.257, 97.816
Yxy	81.3255, 0.4311, 0.4909
Android (android.graphics.Color)	4294962202 (0xFFFFEC1A)
YUV	217.7410, -94.5283, 32.6761
Hunter-Lab	90.1807, -16.4465, 54.6385

Details

The XYZ color **71.4219, 81.3255, 12.9103** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.4150, 9.3172, 95.3821**, and the grayscale version is **67.0579, 70.5502, 76.8291**.

A 20% lighter version of the original color is **79.3003, 93.7001, 25.9630**, and **38.7720, 44.5171, 6.5492** is the 20% darker color. If you saturate the color by 10%, you get **70.6345, 80.0451, 11.7422**, and if you desaturate by 10%, it is **72.4587, 82.7235, 15.3402**.

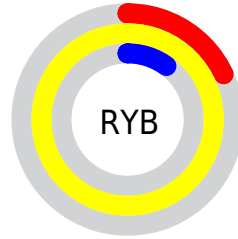
Distribution



Red (100%)

Green (93%)

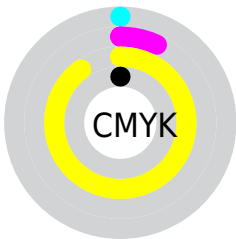
Blue (10%)



Red (18%)

Yellow (100%)

Blue (10%)

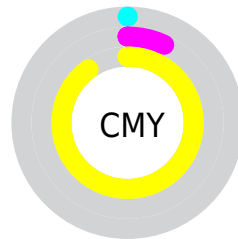


Cyan (0%)

Magenta (7%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (7%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.4219, 81.3255, 12.9103 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 71.4219, 81.3255, 12.9103 by changing the saturation by 10% instead.

71.4219, 81.3255,
12.9103

71.4219, 81.3255,
12.9103

454.7159,
499.3887, 221.5296

52.9703, 60.8097,
7.2368

120.2495,
135.2277, 31.8314

38.0065, 44.0716,
3.5300

151.3563,
169.3829, 45.9160

26.1650, 30.7268,
1.3712

187.4122,
208.8534, 63.6415

17.0804, 20.3909,
0.1191

228.7826,
254.0236, 85.4262

10.3875, 12.6795,
0.0000

275.8328,
305.2778, 111.6889

5.7209, 7.2082,
0.0000

328.9281,

2.7151, 3.5927,

363.0005, 142.8480

0.0000

388.4340,
427.5760, 179.3220

■ 1.0050, 1.4484,
0.0000

■ 0.0000, 0.2520,
0.0000

■ 71.4219, 81.3255,
12.9103

■ 71.4219, 81.3255,
12.9103

■ 70.6345, 80.0451,
11.7422


■ 72.4587, 82.7235,
15.3402


■ 70.6195, 80.0196,
11.7233


■ 73.8097, 84.2556,
19.3969


■ 75.5206, 85.9434,
25.3133

■ 77.6283, 87.8015,
33.2835

 80.1652, 89.8429,
43.4771

 83.1600, 92.0793,
56.0462

 86.6391, 94.5211,
71.1295

 90.6270, 97.1783,
88.8550

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



95.2813, 81.3255, 15.3245



71.4219, 81.3255, 12.9103



53.1697, 81.3255, 21.3387

Triad

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



71.4219, 81.3255, 12.9103



47.2890, 81.3255, 191.4840



126.0654, 81.3255, 145.6865

Complementary

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



71.4219, 81.3255, 12.9103



19.4150, 9.3172, 95.3821

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.



107.8021, 81.3255, 231.5578



71.4219, 81.3255, 12.9103



61.7321, 81.3255, 265.9139

Square

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



71.4219, 81.3255, 12.9103



41.1594, 81.3255, 106.9695



83.4867, 81.3255, 283.3978



130.0852, 81.3255, 72.3759

Rectangle

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



71.4219, 81.3255, 12.9103



45.5106, 81.3255, 36.6638



83.4867, 81.3255, 283.3978



121.2351, 81.3255, 174.8932

Sweetspot

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



71.4237, 81.3294, 12.9119



84.0841, 92.7420, 60.0073



42.0850, 22.1895, 4.5574



17.7573, 19.6781, 11.8150



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.



71.4237, 81.3294, 12.9119



70.6201, 80.0202, 11.7234



50.3616, 79.0254, 13.5773



19.4248, 20.8177, 19.1388



36.9543, 41.9198, 6.1436



3.6346, 4.1546, 0.6104

Inverse Universe

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



19.4150, 9.3172, 95.3821



18.3209, 7.7619, 95.1403



26.3646, 12.0552, 95.5443



17.1241, 17.6197, 22.7484



9.6148, 4.1391, 49.7268



0.9757, 0.4821, 4.8549

Previews

White Background



This preview shows how the XYZ color 71.4219, 81.3255, 12.9103 looks on a white background.

Color Contrast Check

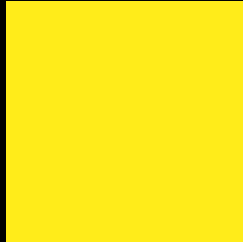
Large Text (above 18pt) WCAG AA × Fail

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 71.4219, 81.3255, 12.9103 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 71.4219, 81.3255, 12.9103

Background



This preview shows how black text looks on a background with the XYZ color 71.4219, 81.3255, 12.9103.



This preview shows how white text looks on a background with the XYZ color 71.4219, 81.3255,

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

71.4219, 81.3255, 12.9103

Protanopia

74.3414, 81.1228, 32.5089

Deuteranopia

79.1096, 81.2388, 63.1409



Tritanopia

83.1606, 81.1086, 89.8697

Trichromacy



Original Color

71.4219, 81.3255, 12.9103



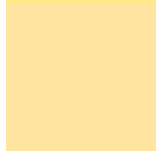
Protanomaly

72.5946, 80.8783, 21.9102



Deuteranomaly

74.3997, 80.6945, 34.2086



Tritanomaly

75.5173, 79.8018, 44.2240

Monochromacy



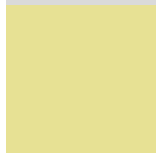
Original Color

71.4219, 81.3255, 12.9103



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

65.2255, 72.9775, 38.6653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4219, 81.3255, 12.9103 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, 236, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 26)  
}
```

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, 236, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 26) }
```

Border

The CSS property to change the border of an element to XYZ 71.4219, 81.3255, 12.9103 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, 236, 26) }
```


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

```
.border{ border-color:rgb(255, 236, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4219, 81.3255, 12.9103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 26) }
```

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

```
.background{ background-color: rgb(255,  
236, 26) }
```

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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