

Converting Colors

XYZ(70.5752, 78.9742, 14.6560)

Have a look what the booklet for
XYZ(70.5752, 78.9742, 14.6560)
contains.

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Color

**XYZ(70.6942, 79.2122,
14.6955)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE833
RGB	255, 232, 51
RGB Percent	100%, 91%, 20%
CMY	0.0000, 0.0902, 0.8000
CMYK	0.00, 0.09, 0.80, 0.00
HSL	53°, 100%, 60%
HSV	53°, 80%, 100%
XYZ	70.6942, 79.2122, 14.6955
YIQ	218.2430, 71.8090, -51.4150

Conversions

Conversions Part 2

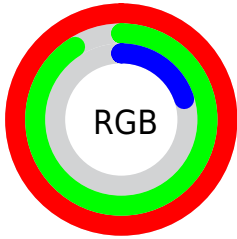
Format	Color
R_{YB}	77, 255, 51
Decimal	16771123
CIE _{Lab}	91.33, -9.61, 82.46
CIE _{LCh}	91, 83.020, 96.647
Yxy	79.2122, 0.4295, 0.4812
Android (android.graphics.Color)	4294961203 (0xFFFE833)
YUV	218.2430, -82.4508, 32.2359
Hunter-Lab	89.0012, -13.9686, 52.5112

Details

The XYZ color **70.6942, 79.2122, 14.6955** 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 **21.8644, 12.8217, 95.9297**, and the grayscale version is **67.3274, 70.8337, 77.1379**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **37.9703, 42.9136, 6.2819** is the 20% darker color. If you saturate the color by 10%, you get **69.4768, 77.4443, 12.2352**, and if you desaturate by 10%, it is **72.2363, 81.1373, 18.7843**.

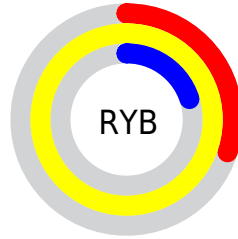
Distribution



Red (100%)

Green (91%)

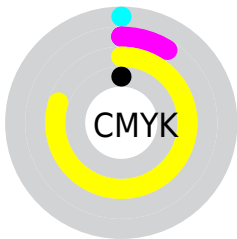
Blue (20%)



Red (30%)

Yellow (100%)

Blue (20%)

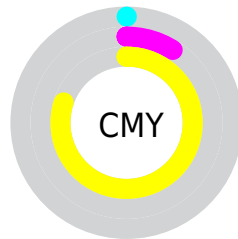


Cyan (0%)

Magenta (9%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.6942, 79.2122, 14.6955 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 70.6942, 79.2122, 14.6955 by changing the saturation by 10% instead.


 70.6942, 79.2122,
14.6955

 70.6942, 79.2122,
14.6955


452.2122,
492.2739, 233.0926

 52.3743, 59.0703,
8.4617


 119.2191,
132.2576, 35.0528


 37.5290, 42.6697,
4.2998


 150.1548,
165.9298, 50.0134


 25.7929, 29.6260,
1.7912


 186.0265,
204.8809, 68.7201

 16.8006, 19.5549,
0.4222

 227.1995,
249.4954, 91.5913

 10.1869, 12.0719,
0.0000

 274.0393,
300.1575, 119.0456

 5.5862, 6.7927,
0.0000

326.9111,

 2.6334, 3.3328,

357.2517, 151.5016

0.0000

386.1802,
421.1624, 189.3777

■ 0.9630, 1.3078,
0.0000

■ 0.0000, 0.1473,
0.0000

■ 70.6942, 79.2122,
14.6955

■ 70.6942, 79.2122,
14.6955

■ 69.4768, 77.4443,
12.2352

■ 72.2363, 81.1373,
18.7843

■ 68.5065, 75.7932,
11.0191

■ 74.1418, 83.2259,
24.7291

■ 68.5062, 75.7926,
11.0188

■ 76.4494, 85.4968,
32.7260

■ 79.1917, 87.9631,
42.9453

■ 82.3976, 90.6363,
55.5393

■ 86.0935, 93.5271,
70.6468

■ 90.3037, 96.6455,
88.3962

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.



92.5259, 79.2122, 17.5450



70.6942, 79.2122, 14.6955



53.5948, 79.2122, 22.6147

Triad

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



70.6942, 79.2122, 14.6955



47.2260, 79.2122, 175.7444



118.9680, 79.2122, 140.9318

Complementary

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



70.6942, 79.2122, 14.6955



21.8644, 12.8217, 95.9297

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.



102.1655, 79.2122, 216.9314



70.6942, 79.2122, 14.6955



60.3376, 79.2122, 242.7413

Square

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



70.6942, 79.2122, 14.6955



41.7787, 79.2122, 100.3942



80.0783, 79.2122, 260.5619



123.1513, 79.2122, 73.4984

Rectangle

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



70.6942, 79.2122, 14.6955



46.2538, 79.2122, 36.8747



80.0783, 79.2122, 260.5619



114.4737, 79.2122, 167.1069

Sweetspot

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



70.6960, 79.2160, 14.6971



84.5539, 92.3435, 64.2889



43.6874, 24.1337, 8.9778



17.8192, 19.5462, 12.6241



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.



70.6960, 79.2160, 14.6971



68.8766, 76.4437, 11.4178



54.4441, 81.0827, 15.9140



19.3761, 20.7204, 19.1225



35.8661, 39.7434, 5.7809



3.5398, 3.9650, 0.5788

Inverse Universe

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



21.8644, 12.8217, 95.9297



18.8642, 8.6588, 95.2848



28.3185, 14.2716, 95.8694



17.1678, 17.7073, 22.7629



9.7100, 4.3296, 49.7585



0.9963, 0.5233, 4.8618

Previews

White Background



This preview shows how the XYZ color 70.6942, 79.2122, 14.6955 looks on a white background.

Color Contrast Check

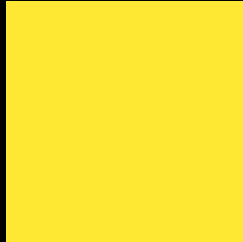
Large Text (above 18pt) WCAG AA × Fail

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 70.6942, 79.2122, 14.6955 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 70.6942, 79.2122, 14.6955

Background



This preview shows how black text looks on a background with the XYZ color 70.6942, 79.2122, 14.6955.



This preview shows how white text looks on a background with the XYZ color 70.6942, 79.2122,

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

70.6942, 79.2122, 14.6955

Protanopia

72.2641, 79.3911, 24.3473

Deuteranopia

77.4060, 79.2406, 58.2289



Tritanopia

81.6619, 78.7991, 87.2496

Trichromacy



Original Color

70.6942, 79.2122, 14.6955

Protanomaly

71.4161, 79.0519, 19.8820

Deuteranomaly

73.5708, 78.5818, 35.3350

Tritanomaly

75.0481, 77.8636, 47.1501

Monochromacy



Original Color

70.6942, 79.2122, 14.6955

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

65.4285, 72.1986, 42.3856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.6942, 79.2122, 14.6955 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, 232, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 51)  
}
```

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, 232, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 51) }
```

Border

The CSS property to change the border of an element to XYZ 70.6942, 79.2122, 14.6955 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, 232, 51) }
```


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

```
.border{ border-color:rgb(255, 232, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 70.6942, 79.2122, 14.6955 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 51) }
```

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

```
.background{ background-color: rgb(255,  
232, 51) }
```

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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