

Converting Colors

XYZ(71.4071, 80.6382, 14.9331)

Have a look what the booklet for
XYZ(71.4071, 80.6382, 14.9331)
contains.

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Color

**XYZ(71.5459, 80.9157,
14.9794)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEB33
RGB	255, 235, 51
RGB Percent	100%, 92%, 20%
CMY	0.0000, 0.0784, 0.8000
CMYK	0.00, 0.08, 0.80, 0.00
HSL	54°, 100%, 60%
HSV	54°, 80%, 100%
XYZ	71.5459, 80.9157, 14.9794
YIQ	220.0040, 70.9840, -52.9840

Conversions

Conversions Part 2

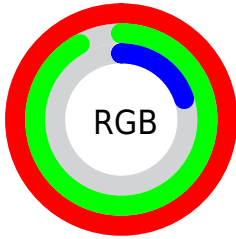
Format	Color
R _Y B	73, 255, 51
Decimal	16771891
CIE Lab	92.09, -11.09, 83.12
CIE LCh	92, 83.859, 97.599
Yxy	80.9157, 0.4273, 0.4832
Android (android.graphics.Color)	4294961971 (0xFFFFEB33)
YUV	220.0040, -83.3190, 30.6915
Hunter-Lab	89.9532, -15.4448, 53.0940

Details

The XYZ color **71.5459, 80.9157, 14.9794** 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 **21.6688, 12.4306, 95.8643**, and the grayscale version is **68.5614, 72.1319, 78.5517**.

A 20% lighter version of the original color is **80.0373, 93.9949, 29.8440**, and **38.5694, 44.1119, 6.4816** is the 20% darker color. If you saturate the color by 10%, you get **70.4205, 79.3317, 12.5497**, and if you desaturate by 10%, it is **72.9929, 82.6506, 19.0366**.

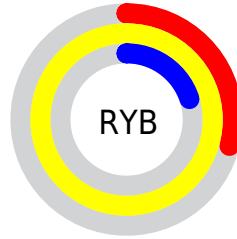
Distribution



Red (100%)

Green (92%)

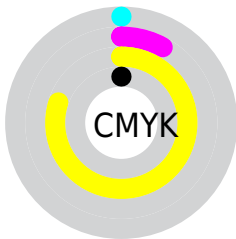
Blue (20%)



Red (29%)

Yellow (100%)

Blue (20%)

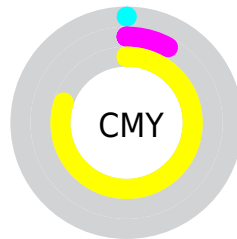


Cyan (0%)

Magenta (8%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (8%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.5459, 80.9157, 14.9794 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 71.5459, 80.9157, 14.9794 by changing the saturation by 10% instead.

71.5459, 80.9157,
14.9794

71.5459, 80.9157,
14.9794

455.1417,
498.0135, 234.8780

53.0719, 60.4722,
8.6585

120.4250,
134.6524, 35.5588

38.0879, 43.7993,
4.4253

151.5609,
168.7144, 50.6544

26.2285, 30.5128,
1.8615

187.6481,
208.0846, 69.5119

17.1282, 20.2281,
0.4680

229.0520,
253.1475, 92.5500

10.4218, 12.5610,
0.0000

276.1379,
304.2874, 120.1871

5.7439, 7.1269,
0.0000

329.2713,

2.7292, 3.5416,

361.8888, 152.8417

0.0000

388.8174,
426.3360, 190.9325

■ 1.0122, 1.4206,
0.0000

■ 0.0000, 0.2318,
0.0000

■ 71.5459, 80.9157,
14.9794

■ 71.5459, 80.9157,
14.9794

■ 70.4205, 79.3317,
12.5497

■ 72.9929, 82.6506,
19.0366

■ 69.5390, 77.8583,
11.3633

■ 74.8000, 84.5426,
24.9485

■ 69.5387, 77.8578,
11.3630

■ 77.0062, 86.6103,
32.9116

■ 79.6436, 88.8670,
43.0960

■ 82.7414, 91.3240,
55.6539

■ 86.3259, 93.9922,
70.7243

■ 90.4216, 96.8813,
88.4355

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.



93.8433, 80.9157, 17.5472



71.5459, 80.9157, 14.9794



54.2514, 80.9157, 23.4762

Triad

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



71.5459, 80.9157, 14.9794



48.4751, 80.9157, 182.4115



122.0445, 80.9157, 141.6411

Complementary

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



71.5459, 80.9157, 14.9794



21.6688, 12.4306, 95.8643

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.



105.1293, 80.9157, 219.9161



71.5459, 80.9157, 14.9794



62.1434, 80.9157, 250.1451

Square

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



71.5459, 80.9157, 14.9794



42.6526, 80.9157, 104.7858



82.5314, 80.9157, 266.3842



125.8504, 80.9157, 73.2929

Rectangle

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



71.5459, 80.9157, 14.9794



46.9042, 80.9157, 38.5065



82.5314, 80.9157, 266.3842



117.5682, 80.9157, 168.4305

Sweetspot

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



71.5477, 80.9195, 14.9810



84.8315, 92.8987, 64.3814



43.5744, 24.0884, 8.3830



17.8871, 19.6820, 12.6467



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.



71.5477, 80.9195, 14.9810



69.8741, 78.4387, 11.7503



53.6803, 80.6888, 15.8782



19.4001, 20.7684, 19.1305



36.3979, 40.8070, 5.9582



3.5862, 4.0578, 0.5942

Inverse Universe

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



21.6688, 12.4306, 95.8643



18.7552, 8.4409, 95.2485



28.8447, 14.5428, 95.8938



17.1462, 17.6640, 22.7557



9.6601, 4.2297, 49.7419



0.9861, 0.5030, 4.8584

Previews

White Background



This preview shows how the XYZ color 71.5459, 80.9157, 14.9794 looks on a white background.

Color Contrast Check

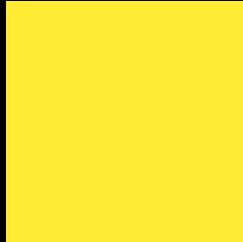
Large Text (above 18pt) WCAG AA × Fail

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 71.5459, 80.9157, 14.9794 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 71.5459, 80.9157, 14.9794

Background



This preview shows how black text looks on a background with the XYZ color 71.5459, 80.9157, 14.9794.



This preview shows how white text looks on a background with the XYZ color 71.5459, 80.9157,

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

71.5459, 80.9157, 14.9794

Protanopia

74.0806, 81.0185, 31.1357

Deuteranopia

78.6090, 80.5971, 61.8657



Tritanopia

82.8911, 80.5695, 89.7799

Trichromacy



Original Color

71.5459, 80.9157, 14.9794



Protanomaly

72.8674, 80.9875, 23.3469



Deuteranomaly

74.6236, 80.3349, 36.7724



Tritanomaly

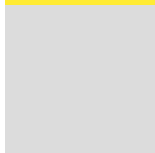
76.0513, 79.5740, 48.3968

Monochromacy



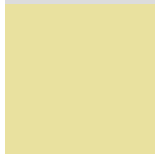
Original Color

71.5459, 80.9157, 14.9794



Achromatopsia

68.0267, 71.5694, 77.9390



Achromatomaly

66.7875, 73.6773, 43.5019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.5459, 80.9157, 14.9794 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, 235, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 235, 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, 235, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 235, 51) }
```

Border

The CSS property to change the border of an element to XYZ 71.5459, 80.9157, 14.9794 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, 235, 51) }
```


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

```
.border{ border-color:rgb(255, 235, 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, 235, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 235, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 235, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 235,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 71.5459, 80.9157, 14.9794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 235, 51) }
```

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

```
.background{ background-color: rgb(255,  
235, 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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