

Converting Colors

XYZ(71.8086, 90.0347, 16.7252)

Have a look what the booklet for
XYZ(71.8086, 90.0347, 16.7252)
contains.

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Color

**XYZ(71.9541, 90.1097,
16.7325)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF33
RGB	239, 255, 51
RGB Percent	94%, 100%, 20%
CMY	0.0627, 0.0000, 0.8000
CMYK	0.06, 0.00, 0.80, 0.00
HSL	65°, 100%, 60%
HSV	65°, 80%, 100%
XYZ	71.9541, 90.1097, 16.7325
YIQ	226.9600, 55.9480, -66.8360

Conversions

Conversions Part 2

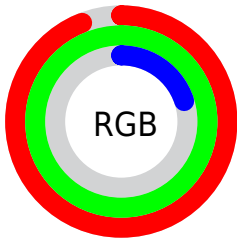
Format	Color
RYB	51, 255, 67
Decimal	15728435
CIELab	96.04, -27.24, 86.05
CIELCh	96, 90.260, 107.568
Yxy	90.1097, 0.4024, 0.5040
Android (android.graphics.Color)	4293918515 (0xFFEFFF33)
YUV	226.9600, -86.7483, 10.5591
Hunter-Lab	94.9261, -30.8175, 55.9973

Details

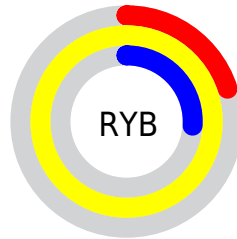
The XYZ color **71.9541, 90.1097, 16.7325** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **21.5498, 10.7822, 95.5531**, and the grayscale version is **73.5671, 77.3984, 84.2868**.

A 20% lighter version of the original color is **80.1524, 94.0410, 30.4502**, and **38.7845, 49.9719, 7.6014** is the 20% darker color. If you saturate the color by 10%, you get **70.8657, 89.5967, 14.5077**, and if you desaturate by 10%, it is **73.3577, 90.7496, 20.5809**.

Distribution



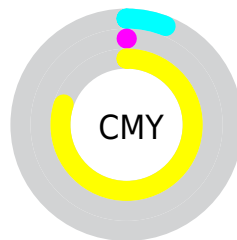
- Red (94%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (26%)



- Cyan (6%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)



- Cyan (6%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9541, 90.1097, 16.7325 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 71.9541, 90.1097, 16.7325 by changing the saturation by 10% instead.

71.9541, 90.1097,
16.7325

71.9541, 90.1097,
16.7325

456.5419,
528.3876, 245.6176

53.4065, 68.0716,
9.8840

121.0024,
147.4908, 38.6496

38.3562, 49.9560,
5.2175

152.2339,
183.6025, 54.5553

26.4377, 35.3784,
2.3145

188.4240,
225.1744, 74.3172

17.2858, 23.9545,
0.7393

229.9381,
272.5906, 98.3537

10.5350, 15.2999,
0.0000

277.1416,
326.2356, 127.0835

5.8201, 9.0301,
0.0000

330.3999,

2.7756, 4.7608,

386.4939, 160.9250

0.0000

390.0782,
453.7498, 200.2969

■ 1.0362, 2.1076,
0.0000

■ 0.0000, 0.6689,
0.0000

■ 71.9541, 90.1097,
16.7325

■ 71.9541, 90.1097,
16.7325

■ 70.8657, 89.5967,
14.5077

■ 73.3577, 90.7496,
20.5809

■ 70.0206, 89.1820,
13.5237

■ 75.1208, 91.5341,
26.2816

■ 70.0203, 89.1818,
13.5234

■ 77.2802, 92.4781,
34.0304

■ 79.8684, 93.5944,
43.9974

■ 82.9142, 94.8947,
56.3350

■ 86.4441, 96.3894,
71.1821

■ 90.4824, 98.0884,
88.6668

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



96.4058, 90.1097, 15.7705



71.9541, 90.1097, 16.7325



54.8675, 90.1097, 31.5010

Triad

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



71.9541, 90.1097, 16.7325



57.1602, 90.1097, 238.6516



141.6214, 90.1097, 130.7985

Complementary

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



71.9541, 90.1097, 16.7325



21.5498, 10.7822, 95.5531

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.



126.2041, 90.1097, 223.2330



71.9541, 90.1097, 16.7325



75.7192, 90.1097, 303.0196

Square

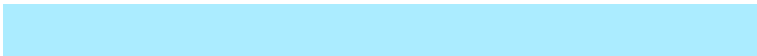
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.9541, 90.1097, 16.7325



47.5381, 90.1097, 145.7559



100.9744, 90.1097, 296.3044



140.0695, 90.1097, 62.1815

Rectangle

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



71.9541, 90.1097, 16.7325



48.4856, 90.1097, 54.4361



100.9744, 90.1097, 296.3044



138.1438, 90.1097, 160.5050

Sweetspot

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



71.9541, 90.1097, 16.7337



84.9710, 95.7669, 64.9277



43.7057, 25.2350, 5.7004



17.9211, 20.3853, 12.7806



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.



71.9541, 90.1097, 16.7337



70.3409, 89.3407, 13.8300



47.0731, 77.2831, 15.5693



19.4123, 21.0140, 19.1773



36.6461, 46.6298, 7.0690



3.6081, 4.5608, 0.6902

Inverse Universe

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



21.5498, 10.7822, 95.5531



18.6788, 7.7085, 95.1112



35.0872, 17.7610, 96.1867



17.1350, 17.4458, 22.7142



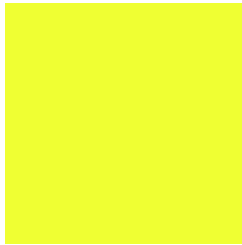
9.6285, 3.8742, 49.6749



0.9809, 0.3996, 4.8387

Previews

White Background



This preview shows how the XYZ color 71.9541, 90.1097, 16.7325 looks on a white background.

Color Contrast Check

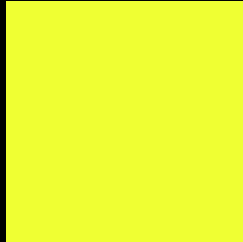
Large Text (above 18pt) WCAG AA × Fail

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 71.9541, 90.1097, 16.7325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

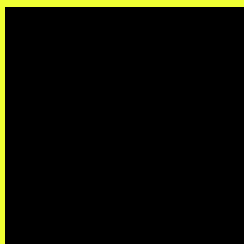
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.9541, 90.1097, 16.7325

Background



This preview shows how black text looks on a background with the XYZ color 71.9541, 90.1097, 16.7325.



This preview shows how white text looks on a background with the XYZ color 71.9541, 90.1097,

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



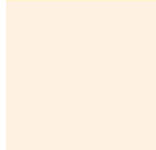
Original Color

71.9541, 90.1097, 16.7325



Protanopia

83.5994, 89.4847, 66.8989



Deuteranopia

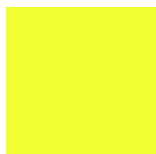
86.2859, 89.6068, 83.9823



Tritanopia

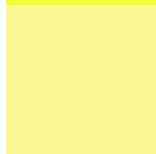
89.8645, 89.6291, 107.1715

Trichromacy



Original Color

71.9541, 90.1097, 16.7325



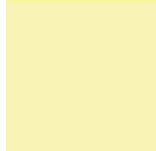
Protanomaly

77.4385, 88.7056, 39.8285



Deuteranomaly

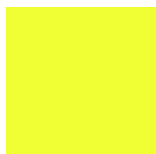
78.5443, 88.6599, 47.1558



Tritanomaly

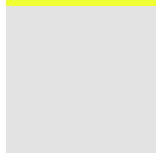
79.7581, 88.1773, 56.5323

Monochromacy



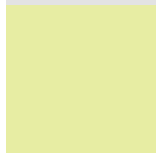
Original Color

71.9541, 90.1097, 16.7325



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

69.8500, 80.2016, 46.4493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.9541, 90.1097, 16.7325 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(239, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 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(239, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 71.9541, 90.1097, 16.7325 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(239, 255, 51) }
```


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

```
.border{ border-color:rgb(239, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(239, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 71.9541, 90.1097, 16.7325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 51) }
```

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

```
.background{ background-color: rgb(239,  
255, 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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