

Converting Colors

XYZ(77.2917, 92.4377, 36.1218)

Have a look what the booklet for
XYZ(77.2917, 92.4377, 36.1218)
contains.

XYZ(77.3019, 92.4466, 35.9600) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(77.3019, 92.4466,
35.9600)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FF85
RGB	244, 255, 133
RGB Percent	96%, 100%, 52%
CMY	0.0431, 0.0000, 0.4784
CMYK	0.04, 0.00, 0.48, 0.00
HSL	65°, 100%, 76%
HSV	65°, 48%, 100%
XYZ	77.3019, 92.4466, 35.9600
YIQ	237.8030, 32.6060, -40.2740

Conversions

Conversions Part 2

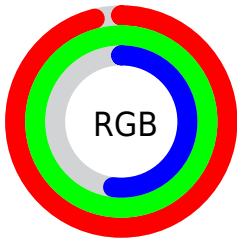
Format	Color
R_{YB}	133, 255, 144
Decimal	16056197
CIE _{Lab}	97.00, -20.36, 56.59
CIE _{LCh}	97, 60.139, 109.791
Yxy	92.4466, 0.3758, 0.4494
Android (android.graphics.Color)	4294246277 (0xFFFF4FF85)
YUV	237.8030, -51.6679, 5.4348
Hunter-Lab	96.1492, -24.7508, 45.1298

Details

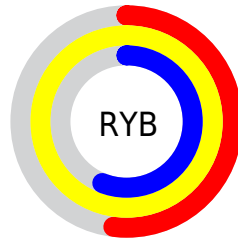
The XYZ color **77.3019, 92.4466, 35.9600** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.9402, 29.9256, 98.3843**, and the grayscale version is **81.4841, 85.7277, 93.3574**.

A 20% lighter version of the original color is **86.0771, 96.4108, 61.6494**, and **41.8551, 51.3918, 15.1107** is the 20% darker color. If you saturate the color by 10%, you get **74.9556, 91.4165, 27.7437**, and if you desaturate by 10%, it is **80.0860, 93.6530, 46.4312**.

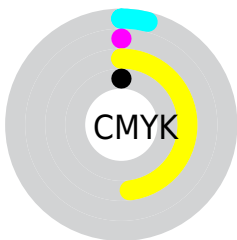
Distribution



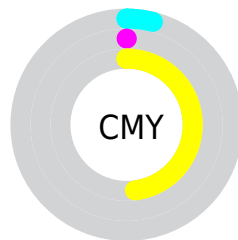
- Red (96%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (56%)



- Cyan (4%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.3019, 92.4466, 35.9600 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 77.3019, 92.4466, 35.9600 by changing the saturation by 10% instead.

77.3019, 92.4466,
35.9600

77.3019, 92.4466,
35.9600

474.6689,
535.9578, 343.8178

57.8015, 70.0116,
24.1139

128.5361,
150.7322, 70.1387

41.8917, 51.5360,
15.2051

161.0007,
187.3516, 93.3083

29.2072, 36.6354,
8.8153

198.5173,
229.4680, 121.0895

19.3827, 24.9253,
4.5257

241.4513,
277.4657, 153.9007

12.0528, 16.0214,
1.9180

290.1681,
331.7292, 192.1607

6.8521, 9.5393,
0.5041

345.0331,

3.4153, 5.0946,

392.6427, 236.2878

0.0000

406.4116,
460.5908, 286.7007

■ 1.3770, 2.3029,
0.0000

■ 0.2397, 0.7752,
0.0000

■ 77.3019, 92.4466,
35.9600

■ 77.3019, 92.4466,
35.9600

■ 74.9556, 91.4165,
27.7437

■ 80.0860, 93.6530,
46.4312

■ 73.0154, 90.5499,
21.6129

■ 83.3360, 95.0468,
59.3028

■ 71.4453, 89.8326,
17.3801

■ 87.0779, 96.6387,
74.7125

■ 70.2032, 89.2475,
14.8230

■ 91.3356, 98.4380,
92.7863

■ 69.2325, 88.7722, 95.0500, 100.0000,
13.6438 108.9000

■ 69.0410, 88.6770,
13.4775

Harmonies

Analogous

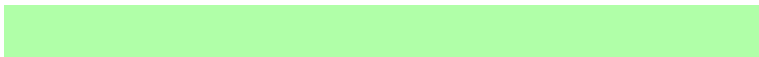
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7633, 92.4466, 33.9689



77.3019, 92.4466, 35.9600



65.2819, 92.4466, 51.6783

Triad

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



77.3019, 92.4466, 35.9600



68.4866, 92.4466, 189.9431



123.9491, 92.4466, 118.0993

Complementary

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



77.3019, 92.4466, 35.9600



37.9402, 29.9256, 98.3843

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.



115.1409, 92.4466, 173.6212



77.3019, 92.4466, 35.9600



82.2246, 92.4466, 223.0842

Square

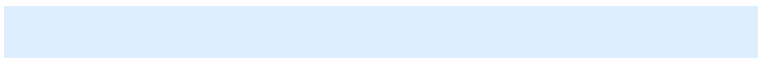
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.3019, 92.4466, 35.9600



60.6635, 92.4466, 135.6328



99.3549, 92.4466, 216.3036



122.1876, 92.4466, 72.2815

Rectangle

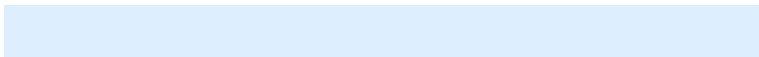
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.3019, 92.4466, 35.9600



60.7269, 92.4466, 71.7708



99.3549, 92.4466, 216.3036



122.0865, 92.4466, 136.4132

Sweetspot

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



77.3020, 92.4466, 35.9612



88.6513, 97.3049, 81.3344



55.3218, 42.6495, 27.5079



18.7839, 20.7463, 16.6024



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

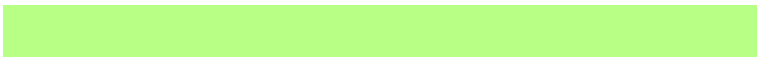
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.3020, 92.4466, 35.9612



75.1371, 91.4967, 28.3526



59.7216, 83.3836, 35.1385



19.3902, 21.0026, 19.1763



36.1421, 46.3700, 7.0454



3.5644, 4.5383, 0.6881

Inverse Universe

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



37.9402, 29.9256, 98.3843



31.7217, 22.4895, 97.2767



51.3859, 36.8571, 99.0135



17.1548, 17.4560, 22.7151



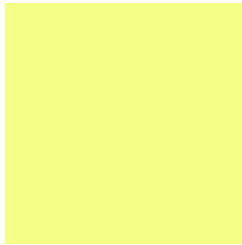
9.6671, 3.8940, 49.6767



0.9903, 0.4044, 4.8391

Previews

White Background



This preview shows how the XYZ color 77.3019, 92.4466, 35.9600 looks on a white background.

Color Contrast Check

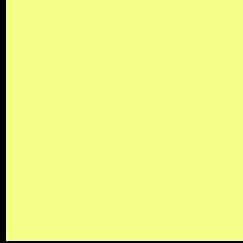
Large Text (above 18pt) WCAG AA × Fail

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 77.3019, 92.4466, 35.9600 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 77.3019, 92.4466, 35.9600

Background



This preview shows how black text looks on a background with the XYZ color 77.3019, 92.4466, 35.9600.

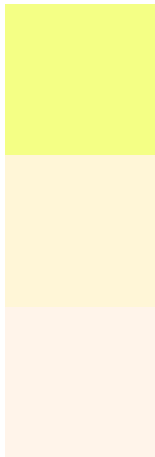


This preview shows how white text looks on a background with the XYZ color 77.3019, 92.4466,

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

77.3019, 92.4466, 35.9600

Protanopia

86.4615, 92.0778, 77.5058

Deuteranopia

88.4420, 91.9019, 90.9193



Tritanopia

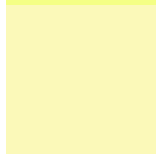
90.9736, 92.3920, 107.6464

Trichromacy



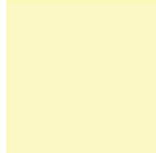
Original Color

77.3019, 92.4466, 35.9600



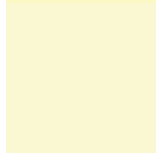
Protanomaly

82.4163, 91.7634, 59.2672



Deuteranomaly

83.4291, 91.6753, 66.1212



Tritanomaly

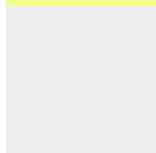
84.4430, 91.5487, 74.8481

Monochromacy



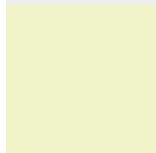
Original Color

77.3019, 92.4466, 35.9600



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.7112, 87.3968, 67.3643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3019, 92.4466, 35.9600 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(244, 255, 133)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 133)  
}
```

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(244, 255, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 133) }
```

Border

The CSS property to change the border of an element to XYZ 77.3019, 92.4466, 35.9600 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(244, 255, 133) }
```


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

```
.border{ border-color:rgb(244, 255, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 133);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3019, 92.4466, 35.9600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 133) }
```

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

```
.background{ background-color: rgb(244,  
255, 133) }
```

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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