

Converting Colors

XYZ(73.4520, 90.8363, 18.8626)

Have a look what the booklet for
XYZ(73.4520, 90.8363, 18.8626)
contains.

XYZ(73.3613, 90.7906, 18.8120)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(73.3613, 90.7906,
18.8120)**

Conversions

Conversions Part 1

Format	Color
Hex	F2FF42
RGB	242, 255, 66
RGB Percent	95%, 100%, 26%
CMY	0.0510, 0.0000, 0.7411
CMYK	0.05, 0.00, 0.74, 0.00
HSL	64°, 100%, 63%
HSV	64°, 74%, 100%
XYZ	73.3613, 90.7906, 18.8120
YIQ	229.5670, 52.9210, -61.5350

Conversions

Conversions Part 2

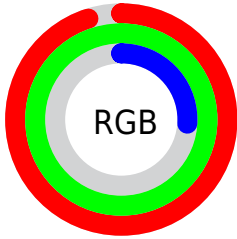
Format	Color
RYB	66, 255, 79
Decimal	15925058
CIELab	96.32, -25.51, 82.27
CIElCh	96, 86.133, 107.225
Yxy	90.7906, 0.4010, 0.4962
Android (android.graphics.Color)	4294115138 (0xFFFF2FF42)
YUV	229.5670, -80.6385, 10.9037
Hunter-Lab	95.2841, -29.3161, 54.9932

Details

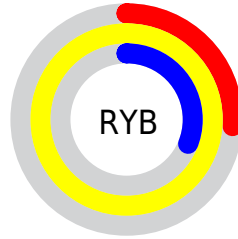
The XYZ color **73.3613, 90.7906, 18.8120** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **23.2238, 12.7799, 95.8505**, and the grayscale version is **75.4428, 79.3717, 86.4358**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **39.4855, 50.3333, 7.6342** is the 20% darker color. If you saturate the color by 10%, you get **72.1701, 90.2449, 15.6683**, and if you desaturate by 10%, it is **74.8930, 91.4731, 23.7215**.

Distribution



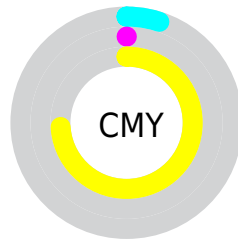
- Red (95%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (31%)



- Cyan (5%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)



- Cyan (5%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.3613, 90.7906, 18.8120 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 73.3613, 90.7906, 18.8120 by changing the saturation by 10% instead.

73.3613, 90.7906,
18.8120

73.3613, 90.7906,
18.8120

461.3505,
530.5993, 257.7970

54.5609, 68.6366,
11.3591

122.9904,
148.4361, 42.2486

39.2827, 50.4158,
6.1917

154.5497,
184.6963, 59.0694

27.1614, 35.7439,
2.8913

191.0927,
226.4274, 79.8499

17.8317, 24.2364,
1.0394

232.9848,
274.0137, 105.0087

10.9282, 15.5091,
0.0000

280.5912,
327.8397, 134.9642

6.0855, 9.1775,
0.0000

334.2774,

2.9383, 4.8571,

388.2896, 170.1351

0.0000

394.4087,
455.7481, 210.9398

■ 1.1212, 2.1637,
0.0000

■ 0.0428, 0.7001,
0.0000

■ 73.3613, 90.7906,
18.8120

■ 73.3613, 90.7906,
18.8120

■ 72.1701, 90.2449,
15.6683

■ 74.8930, 91.4731,
23.7215

■ 71.2712, 89.8167,
14.0322

■ 76.8048, 92.3084,
30.6011

■ 70.8384, 89.6036,
13.5616

■ 79.1308, 93.3100,
39.6314

■ 81.9011, 94.4901,
50.9711

■ 85.1432, 95.8595,
64.7645

■ 88.8821, 97.4283,
81.1438

■ 93.1412, 99.2059,
100.2320

■ 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.



96.8836, 90.7906, 17.9485



73.3613, 90.7906, 18.8120



56.7100, 90.7906, 33.6113

Triad

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



73.3613, 90.7906, 18.8120



58.6430, 90.7906, 230.7213



139.4530, 90.7906, 130.9840

Complementary

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



73.3613, 90.7906, 18.8120



23.2238, 12.7799, 95.8505

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.



124.7067, 90.7906, 218.2117



73.3613, 90.7906, 18.8120



76.5052, 90.7906, 291.3532

Square

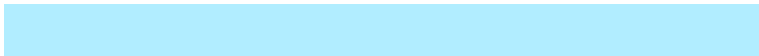
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.3613, 90.7906, 18.8120



49.3552, 90.7906, 143.2847



100.6632, 90.7906, 285.9380



138.1822, 90.7906, 64.7148

Rectangle

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



73.3613, 90.7906, 18.8120



50.4136, 90.7906, 56.0819



100.6632, 90.7906, 285.9380



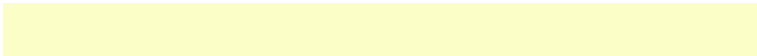
136.1052, 90.7906, 159.2114

Sweetspot

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



73.3613, 90.7905, 18.8132



85.8916, 96.1743, 68.0085



44.9913, 27.1888, 8.0321



18.1798, 20.4992, 13.6708



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.



73.3613, 90.7905, 18.8132



71.6980, 90.0224, 14.6989



48.9390, 78.2004, 17.6702



19.4306, 21.0234, 19.1782



37.0670, 46.8468, 7.0887



3.6447, 4.5796, 0.6919

Inverse Universe

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



23.2238, 12.7799, 95.8505



19.4907, 8.5809, 95.2367



37.2551, 20.0133, 96.5071



17.1187, 17.4374, 22.7135



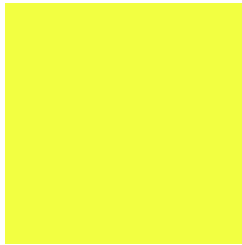
9.5998, 3.8594, 49.6735



0.9732, 0.3956, 4.8383

Previews

White Background



This preview shows how the XYZ color 73.3613, 90.7906, 18.8120 looks on a white background.

Color Contrast Check

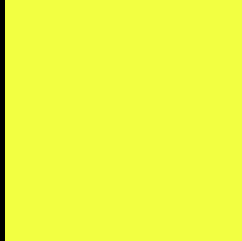
Large Text (above 18pt) WCAG AA × Fail

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 73.3613, 90.7906, 18.8120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

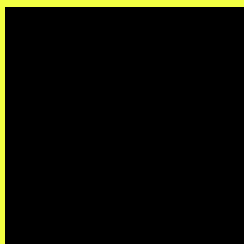
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 73.3613, 90.7906, 18.8120

Background



This preview shows how black text looks on a background with the XYZ color 73.3613, 90.7906, 18.8120.



This preview shows how white text looks on a background with the XYZ color 73.3613, 90.7906,

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



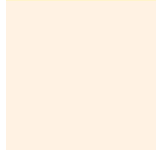
Original Color

73.3613, 90.7906, 18.8120



Protanopia

84.3702, 90.2732, 69.4776



Deuteranopia

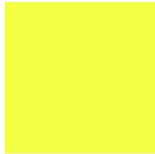
86.8573, 90.3103, 85.5268



Tritanopia

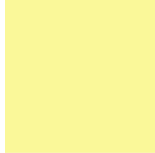
90.1297, 90.6720, 105.6796

Trichromacy



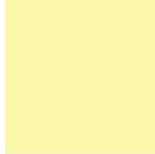
Original Color

73.3613, 90.7906, 18.8120



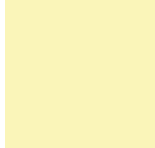
Protanomaly

78.7415, 89.7587, 43.3120



Deuteranomaly

79.7530, 89.6727, 50.1509



Tritanomaly

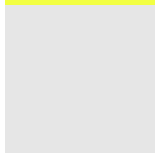
80.8337, 89.1316, 58.8427

Monochromacy



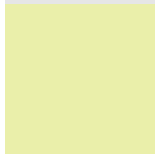
Original Color

73.3613, 90.7906, 18.8120



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.0539, 82.1277, 50.0848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.3613, 90.7906, 18.8120 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(242, 255, 66)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 66)  
}
```

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(242, 255, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 66) }
```

Border

The CSS property to change the border of an element to XYZ 73.3613, 90.7906, 18.8120 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(242, 255, 66) }
```


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

```
.border{ border-color:rgb(242, 255, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 66);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 73.3613, 90.7906, 18.8120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 66) }
```

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

```
.background{ background-color: rgb(242,  
255, 66) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor