

Converting Colors

XYZ(77.3351, 92.9140, 15.6146)

Have a look what the booklet for
XYZ(77.3351, 92.9140, 15.6146)
contains.

| | |
|--|----|
| XYZ(77.3339, 92.9136, 15.6084) | 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(77.3339, 92.9136,
15.6084)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFF25 |
| RGB | 255, 255, 37 |
| RGB Percent | 100%, 100%, 15% |
| CMY | 0.0000, 0.0000, 0.8548 |
| CMYK | 0.00, 0.00, 0.85, 0.00 |
| HSL | 60°, 100%, 57% |
| HSV | 60°, 85%, 100% |
| XYZ | 77.3339, 92.9136, 15.6084 |
| YIQ | 230.1480, 69.9780, -67.7980 |

Conversions

Conversions Part 2

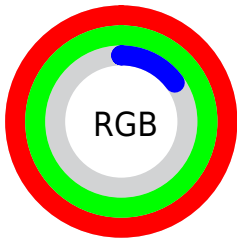
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 37, 255, 37 |
| Decimal | 16776997 |
| CIE Lab | 97.19, -21.12, 90.49 |
| CIE LCh | 97, 92.919, 103.136 |
| Yxy | 92.9136, 0.4161, 0.4999 |
| Android (android.graphics.Color) | 4294967077 (0xFFFFFFFF25) |
| YUV | 230.1480, -95.2220, 21.7952 |
| Hunter-Lab | 96.3917, -25.4771, 57.8736 |

Details

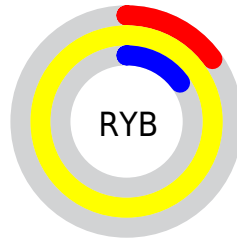
The XYZ color **77.3339, 92.9136, 15.6084** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **19.4755, 8.9376, 95.3064**, and the grayscale version is **75.9705, 79.9269, 87.0404**.

A 20% lighter version of the original color is **79.7068, 93.8627, 28.1037**, and **42.6716, 52.3162, 7.8490** is the 20% darker color. If you saturate the color by 10%, you get **77.0630, 92.8052, 14.1840**, and if you desaturate by 10%, it is **77.8833, 93.1333, 18.5033**.

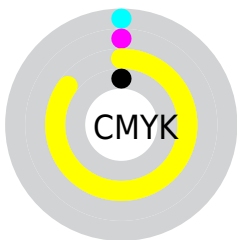
Distribution



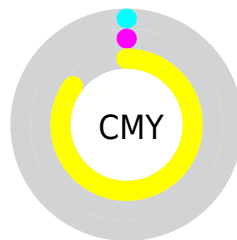
- Red (100%)
- Green (100%)
- Blue (15%)



- Red (15%)
- Yellow (100%)
- Blue (15%)



- Cyan (0%)
- Magenta (0%)
- Yellow (85%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.3339, 92.9136, 15.6084 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 77.3339, 92.9136, 15.6084 by changing the saturation by 10% instead.


 77.3339, 92.9136,
15.6084


 77.3339, 92.9136,
15.6084


474.7762,
537.4638, 238.7860

 57.8278, 70.3997,
9.0961


 128.5810,
151.3790, 36.6743


 41.9130, 51.8525,
4.7063


 161.0529,
188.0993, 52.0650


 29.2240, 36.8875,
2.0203


 198.5773,
230.3238, 71.2523

 19.3954, 25.1204,
0.5677

 241.5197,
278.4369, 94.6547

 12.0621, 16.1668,
0.0000

 290.2454,
332.8231, 122.6907

 6.8585, 9.6422,
0.0000

345.1199,

 3.4193, 5.1624,

393.8667, 155.7789

0.0000

406.5083,
461.9522, 194.3378

■ 1.3792, 2.3429,
0.0000

■ 0.2413, 0.7963,
0.0000

■ 77.3339, 92.9136,
15.6084

■ 77.3339, 92.9136,
15.6084

■ 77.0630, 92.8052,
14.1840

■ 77.8833, 93.1333,
18.5033

■ 76.9996, 92.7798,
13.8500

■ 78.7617, 93.4847,
23.1286

■ 80.0094, 93.9837,
29.6985

■ 81.6610, 94.6444,
38.3955

83.7472, 95.4789,
49.3809

86.2956, 96.4982,
62.8007

89.3318, 97.7127,
78.7887

92.8792, 99.1317,
97.4688

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.



103.7726, 92.9136, 16.3188



77.3339, 92.9136, 15.6084



58.1103, 92.9136, 28.1126

Triad

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



77.3339, 92.9136, 15.6084



56.3720, 92.9136, 235.6220



145.9332, 92.9136, 149.1443

Complementary

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



77.3339, 92.9136, 15.6084



19.4755, 8.9376, 95.3064

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.



127.4973, 92.9136, 247.4956



77.3339, 92.9136, 15.6084



74.4680, 92.9136, 312.0362

Square

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



77.3339, 92.9136, 15.6084



47.7252, 92.9136, 137.6889



100.2819, 92.9136, 317.2200



147.1239, 92.9136, 71.7522

Rectangle

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



77.3339, 92.9136, 15.6084



50.5146, 92.9136, 48.9109



100.2819, 92.9136, 317.2200



141.4028, 92.9136, 181.5201

Sweetspot

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



77.3338, 92.9135, 15.6096



86.1527, 96.4410, 62.0478



42.2361, 22.7176, 3.9102



18.2416, 20.5629, 12.2347



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.



77.3338, 92.9135, 15.6096



76.9996, 92.7798, 13.8500



47.9494, 77.7653, 14.2344



19.5613, 21.0908, 19.1843



40.2339, 48.4794, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



19.4755, 8.9376, 95.3064



18.0500, 7.2200, 95.0500



30.5673, 14.6556, 95.8255



17.0031, 17.3778, 22.7080



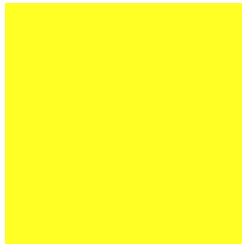
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.3339, 92.9136, 15.6084 looks on a white background.

Color Contrast Check

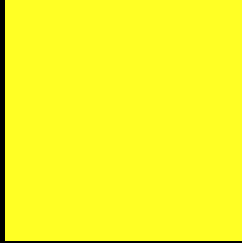
Large Text (above 18pt) WCAG AA × Fail

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 77.3339, 92.9136, 15.6084 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 77.3339, 92.9136, 15.6084

Background



This preview shows how black text looks on a background with the XYZ color 77.3339, 92.9136, 15.6084.

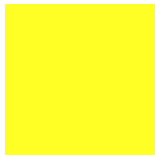


This preview shows how white text looks on a background with the XYZ color 77.3339, 92.9136,

Color Blindness Simulation

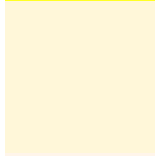
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



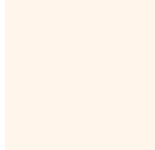
Original Color

77.3339, 92.9136, 15.6084



Protanopia

87.0251, 92.7913, 78.9694



Deuteranopia

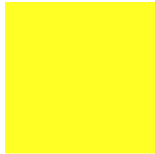
88.7437, 92.5053, 91.0199



Tritanopia

90.8460, 92.8635, 103.5788

Trichromacy



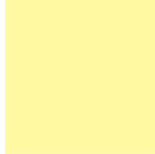
Original Color

77.3339, 92.9136, 15.6084



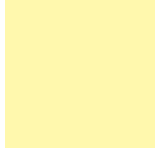
Protanomaly

81.0931, 91.8982, 43.1698



Deuteranomaly

81.6373, 91.6200, 47.5641



Tritanomaly

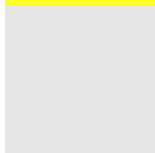
82.3502, 91.4119, 52.8391

Monochromacy



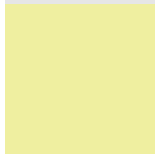
Original Color

77.3339, 92.9136, 15.6084



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

72.8083, 82.6218, 45.3679

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.3339, 92.9136, 15.6084 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, 255, 37)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 37)  
}
```

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, 255, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 37) }
```

Border

The CSS property to change the border of an element to XYZ 77.3339, 92.9136, 15.6084 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".

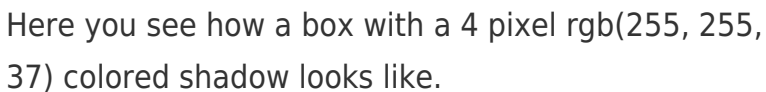
```
.border, #border, table{ border:4px solid rgb(255, 255, 37) }
```


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

```
.border{ border-color:rgb(255, 255, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 255, 37)` colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 37);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 77.3339, 92.9136, 15.6084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 37) }
```

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

```
.background{ background-color: rgb(255,  
255, 37) }
```

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