

Converting Colors

XYZ(93.7502, 100.0000,
20.3390)

Have a look what the booklet for
XYZ(93.7502, 100.0000, 20.3390)
contains.

XYZ(77.1877, 91.3357, 19.5226)	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(77.1877, 91.3357,
19.5226)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFC47
RGB	255, 252, 71
RGB Percent	100%, 99%, 28%
CMY	0.0000, 0.0117, 0.7215
CMYK	0.00, 0.01, 0.72, 0.00
HSL	59°, 100%, 64%
HSV	59°, 72%, 100%
XYZ	77.1877, 91.3357, 19.5226
YIQ	232.2630, 59.8890, -55.6550

Conversions

Conversions Part 2

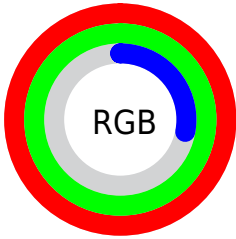
Format	Color
RYB	74, 255, 71
Decimal	16776263
CIELab	96.55, -18.63, 81.27
CIELCh	97, 83.380, 102.914
Yxy	91.3357, 0.4105, 0.4857
Android (android.graphics.Color)	4294966343 (0xFFFFFC47)
YUV	232.2630, -79.5027, 19.9403
Hunter-Lab	95.5697, -23.0799, 54.7873

Details

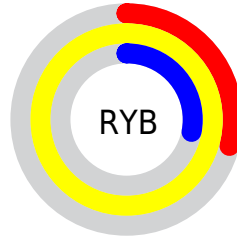
The XYZ color **77.1877, 91.3357, 19.5226** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **23.0977, 13.4573, 95.9872**, and the grayscale version is **77.4471, 81.4804, 88.7321**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **41.9881, 50.9492, 7.6212** is the 20% darker color. If you saturate the color by 10%, you get **76.4056, 90.8181, 16.0368**, and if you desaturate by 10%, it is **78.3174, 91.9996, 24.8190**.

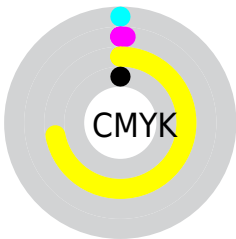
Distribution



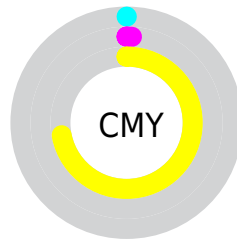
- Red (100%)
- Green (99%)
- Blue (28%)



- Red (29%)
- Yellow (100%)
- Blue (28%)



- Cyan (0%)
- Magenta (1%)
- Yellow (72%)
- Black (0%)



- Cyan (0%)
- Magenta (1%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.1877, 91.3357, 19.5226 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 77.1877, 91.3357, 19.5226 by changing the saturation by 10% instead.

77.1877, 91.3357,
19.5226

77.1877, 91.3357,
19.5226

474.2859,
532.3663, 261.8370

57.7074, 69.0890,
11.8679

128.3758,
149.1924, 43.4637

41.8158, 50.7842,
6.5323

160.8144,
185.5711, 60.5872

29.1476, 36.0369,
3.0974

198.3031,
227.4293, 81.7040

19.3373, 24.4627,
1.1446

241.2072,
275.1514, 107.2327

12.0197, 15.6772,
0.0000

289.8923,
329.1218, 137.5918

6.8294, 9.2960,
0.0000

344.7235,

3.4010, 4.9348,

389.7248, 173.1999

0.0000

406.0662,
457.3448, 214.4754

■ 1.3692, 2.2090,
0.0000

■ 0.2341, 0.7249,
0.0000

■ 77.1877, 91.3357,
19.5226

■ 77.1877, 91.3357,
19.5226

■ 76.4056, 90.8181,
16.0368

■ 78.3174, 91.9996,
24.8190


■ 75.9187, 90.4156,
14.1128


■ 79.8266, 92.8124,
32.1219


■ 75.6907, 90.1618,
13.4136

■ 81.7506, 93.7915,
41.6076

■ 84.1190, 94.9488,
53.4320

 86.9586, 96.2951,
67.7366

 90.2943, 97.8403,
84.6517

 94.1489, 99.5935,
104.2986

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



100.6389, 91.3357, 20.3501



77.1877, 91.3357, 19.5226



59.7613, 91.3357, 32.0077

Triad

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



77.1877, 91.3357, 19.5226



57.9824, 91.3357, 214.7647



137.0125, 91.3357, 142.0700

Complementary

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



77.1877, 91.3357, 19.5226



23.0977, 13.4573, 95.9872

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.



120.9960, 91.3357, 225.9823



77.1877, 91.3357, 19.5226



74.3131, 91.3357, 279.2049

Square

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



77.1877, 91.3357, 19.5226



50.0829, 91.3357, 130.9373



97.2045, 91.3357, 284.0406



138.1592, 91.3357, 73.4629

Rectangle

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



77.1877, 91.3357, 19.5226



52.7465, 91.3357, 51.7529



97.2045, 91.3357, 284.0406



133.0739, 91.3357, 169.9861

Sweetspot

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



77.1898, 91.3400, 19.5245



87.0068, 96.3181, 67.9775



44.7319, 26.2626, 9.2031



18.4475, 20.5336, 13.6633



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.



77.1898, 91.3400, 19.5245



76.1364, 90.6102, 14.9266



52.6378, 80.0890, 18.6469



19.5344, 21.0370, 19.1753



39.5619, 47.1349, 7.0128



3.8598, 4.6050, 0.6854

Inverse Universe

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



23.0977, 13.4573, 95.9872



19.3361, 8.8539, 95.2976



34.7881, 19.1944, 96.4784



17.0267, 17.4250, 22.7159



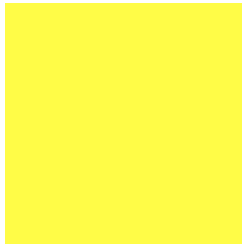
9.4653, 3.8401, 49.6769



0.9296, 0.3898, 4.8395

Previews

White Background



This preview shows how the XYZ color 77.1877, 91.3357, 19.5226 looks on a white background.

Color Contrast Check

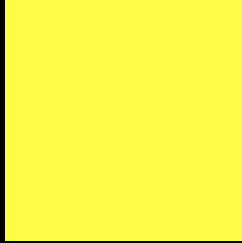
Large Text (above 18pt) WCAG AA × Fail

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 77.1877, 91.3357, 19.5226 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 77.1877, 91.3357, 19.5226

Background



This preview shows how black text looks on a background with the XYZ color 77.1877, 91.3357, 19.5226.



This preview shows how white text looks on a background with the XYZ color 77.1877, 91.3357,

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



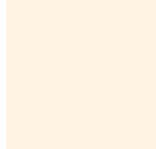
Original Color

77.1877, 91.3357, 19.5226



Protanopia

85.2776, 91.1189, 72.7676



Deuteranopia

87.4334, 91.0183, 87.0888



Tritanopia

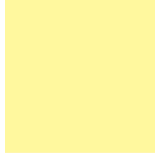
89.6386, 90.9479, 101.6372

Trichromacy



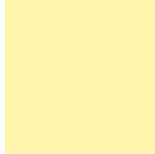
Original Color

77.1877, 91.3357, 19.5226



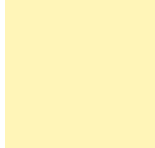
Protanomaly

80.9790, 90.8634, 45.6181



Deuteranomaly

81.6422, 90.1501, 52.1274



Tritanomaly

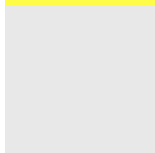
82.5441, 90.0255, 58.3735

Monochromacy



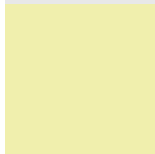
Original Color

77.1877, 91.3357, 19.5226



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.3445, 83.2754, 51.6905

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1877, 91.3357, 19.5226 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, 252, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 71)  
}
```

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, 252, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 71) }
```

Border

The CSS property to change the border of an element to XYZ 77.1877, 91.3357, 19.5226 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, 252, 71) }
```


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

```
.border{ border-color:rgb(255, 252, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1877, 91.3357, 19.5226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 71) }
```

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

```
.background{ background-color: rgb(255,  
252, 71) }
```

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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