

Converting Colors

XYZ(77.9688, 93.1675, 18.9516)

Have a look what the booklet for
XYZ(77.9688, 93.1675, 18.9516)
contains.

XYZ(77.9834, 93.1733, 19.0284)	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(77.9834, 93.1733,
19.0284)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF42
RGB	255, 255, 66
RGB Percent	100%, 100%, 26%
CMY	0.0000, 0.0000, 0.7411
CMYK	0.00, 0.00, 0.74, 0.00
HSL	60°, 100%, 63%
HSV	60°, 74%, 100%
XYZ	77.9834, 93.1733, 19.0284
YIQ	233.4540, 60.6690, -58.7790

Conversions

Conversions Part 2

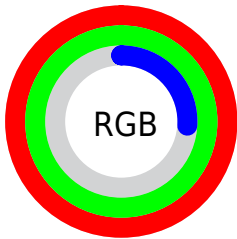
Format	Color
RYB	66, 255, 66
Decimal	16777026
CIELab	97.30, -20.27, 83.52
CIELCh	97, 85.947, 103.640
Yxy	93.1733, 0.4100, 0.4899
Android (android.graphics.Color)	4294967106 (0xFFFFFFFF42)
YUV	233.4540, -82.5548, 18.8958
Hunter-Lab	96.5263, -24.7113, 55.8805

Details

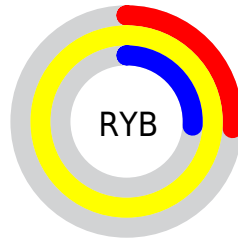
The XYZ color **77.9834, 93.1733, 19.0284** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **22.2460, 12.2759, 95.8047**, and the grayscale version is **78.3653, 82.4464, 89.7842**.

A 20% lighter version of the original color is **80.8308, 94.3123, 34.0225**, and **42.6716, 52.3162, 7.8490** is the 20% darker color. If you saturate the color by 10%, you get **77.3914, 92.9365, 15.9127**, and if you desaturate by 10%, it is **78.9101, 93.5440, 23.9096**.

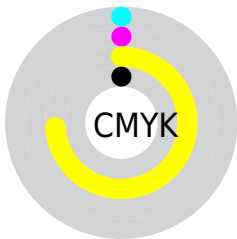
Distribution



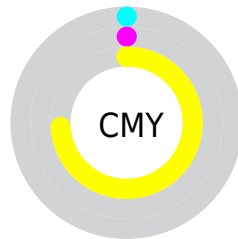
- Red (100%)
- Green (100%)
- Blue (26%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.9834, 93.1733, 19.0284 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 77.9834, 93.1733, 19.0284 by changing the saturation by 10% instead.

77.9834, 93.1733,
19.0284

77.9834, 93.1733,
19.0284

476.9511,
538.3003, 259.0334

58.3631, 70.6156,
11.5138

129.4922,
151.7385, 42.6194

42.3450, 52.0285,
6.2950

162.1114,
188.5148, 59.5329

29.5638, 37.0278,
2.9536

199.7943,
230.7993, 80.4164

19.6542, 25.2290,
1.0710

242.9062,
278.9766, 105.6885

12.2507, 16.2478,
0.0000

291.8125,
333.4309, 135.7677

6.9881, 9.6996,
0.0000

346.8785,

3.5009, 5.2003,

394.5467, 171.0726

0.0000

408.4696,
462.7084, 212.0217

■ 1.4239, 2.3652,
0.0000

■ 0.2731, 0.8079,
0.0000

■ 77.9834, 93.1733,
19.0284

■ 77.9834, 93.1733,
19.0284

■ 77.3914, 92.9365,
15.9127

■ 78.9101, 93.5440,
23.9096

■ 77.0860, 92.8144,
14.3043

■ 80.2112, 94.0645,
30.7608

■ 76.9997, 92.7798,
13.8500

■ 81.9206, 94.7482,
39.7622

■ 84.0685, 95.6074,
51.0729

86.6824, 96.6529,
64.8370

89.7872, 97.8949,
81.1867

93.4064, 99.3426,
100.2449

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.



102.3924, 93.1733, 19.5726



77.9834, 93.1733, 19.0284



60.0506, 93.1733, 32.1228

Triad

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



77.9834, 93.1733, 19.0284



58.8473, 93.1733, 224.7656



141.4253, 93.1733, 144.0362

Complementary

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



77.9834, 93.1733, 19.0284



22.2460, 12.2759, 95.8047

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.



124.9048, 93.1733, 232.4914



77.9834, 93.1733, 19.0284



76.0303, 93.1733, 291.8149

Square

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



77.9834, 93.1733, 19.0284



50.4481, 93.1733, 136.4183



100.0487, 93.1733, 295.1552



142.2116, 93.1733, 73.0345

Rectangle

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



77.9834, 93.1733, 19.0284



52.9222, 93.1733, 52.8517



100.0487, 93.1733, 295.1552



137.4081, 93.1733, 173.2791

Sweetspot

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



77.9834, 93.1733, 19.0296



87.2971, 96.8988, 68.0743



44.1723, 25.5508, 7.7592



18.5173, 20.6732, 13.6866



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.



77.9834, 93.1733, 19.0296



77.2099, 92.8639, 14.9569



51.3418, 79.4391, 17.7828



19.5613, 21.0908, 19.1843



40.2340, 48.4795, 7.2369



3.9174, 4.7203, 0.7046

Inverse Universe

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



22.2460, 12.2759, 95.8047



18.9467, 8.3005, 95.2113



34.5969, 18.6430, 96.3827



17.0031, 17.3778, 22.7080



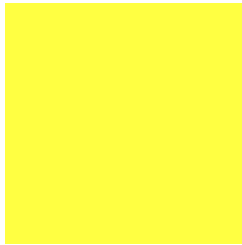
9.4315, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.9834, 93.1733, 19.0284 looks on a white background.

Color Contrast Check

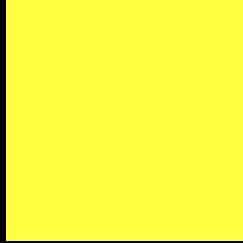
Large Text (above 18pt) WCAG AA × Fail

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 77.9834, 93.1733, 19.0284 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 77.9834, 93.1733, 19.0284

Background



This preview shows how black text looks on a background with the XYZ color 77.9834, 93.1733, 19.0284.



This preview shows how white text looks on a background with the XYZ color 77.9834, 93.1733,

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



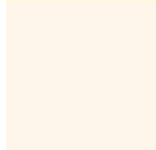
Original Color

77.9834, 93.1733, 19.0284



Protanopia

87.1557, 92.8435, 79.6567



Deuteranopia

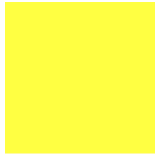
89.1912, 93.1697, 91.8799



Tritanopia

90.8460, 92.8635, 103.5788

Trichromacy



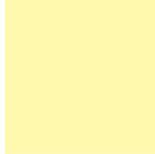
Original Color

77.9834, 93.1733, 19.0284



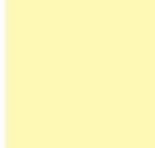
Protanomaly

82.0365, 92.2756, 48.1375



Deuteranomaly

82.7557, 92.0674, 53.4535



Tritanomaly

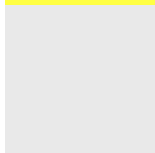
83.3546, 91.8137, 58.1283

Monochromacy



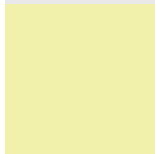
Original Color

77.9834, 93.1733, 19.0284



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.1773, 84.5899, 51.3949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9834, 93.1733, 19.0284 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, 66)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 255, 66) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 77.9834, 93.1733, 19.0284 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, 66) }
```


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

```
.border{ border-color:rgb(255, 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(255, 255, 66)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 77.9834, 93.1733, 19.0284 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, 66) }
```

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

```
.background{ background-color: rgb(255,  
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](#).

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