

Converting Colors

XYZ(77.7695, 90.0729, 27.1968)

Have a look what the booklet for
XYZ(77.7695, 90.0729, 27.1968)
contains.

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Color

**XYZ(77.7695, 90.0729,
27.1968)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF96B
RGB	255, 249, 107
RGB Percent	100%, 98%, 42%
CMY	0.0000, 0.0235, 0.5804
CMYK	0.00, 0.02, 0.58, 0.00
HSL	58°, 100%, 71%
HSV	58°, 58%, 100%
XYZ	77.7695, 90.0729, 27.1968
YIQ	234.6060, 49.1580, -42.8900

Conversions

Conversions Part 2

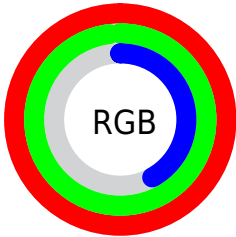
Format	Color
R _Y B	113, 255, 107
Decimal	16775531
CIE Lab	96.03, -15.22, 67.19
CIE LCh	96, 68.897, 102.761
Yxy	90.0729, 0.3987, 0.4618
Android (android.graphics.Color)	4294965611 (0xFFFFF96B)
YUV	234.6060, -62.9098, 17.8855
Hunter-Lab	94.9067, -19.8184, 49.4444

Details

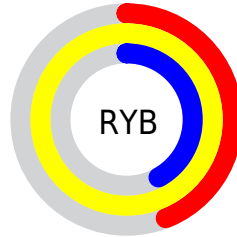
The XYZ color **77.7695, 90.0729, 27.1968** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **30.0185, 22.1555, 97.3015**, and the grayscale version is **79.1050, 83.2246, 90.6316**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **42.1514, 49.9723, 10.4416** is the 20% darker color. If you saturate the color by 10%, you get **76.3035, 88.9805, 21.0374**, and if you desaturate by 10%, it is **79.6371, 91.3353, 35.4432**.

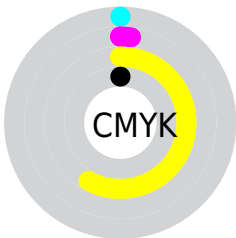
Distribution



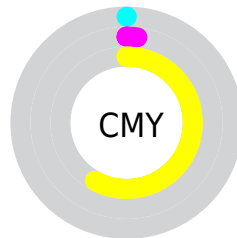
- Red (100%)
- Green (98%)
- Blue (42%)



- Red (44%)
- Yellow (100%)
- Blue (42%)



- Cyan (0%)
- Magenta (2%)
- Yellow (58%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.7695, 90.0729, 27.1968 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 77.7695, 90.0729, 27.1968 by changing the saturation by 10% instead.

 77.7695, 90.0729,
27.1968


 77.7695, 90.0729,
27.1968


476.2355,
528.2680, 302.3990


 58.1868, 68.0411,
17.4873


 129.1922,
147.4397, 56.2071


 42.2027, 49.9312,
10.4169


 161.7629,
183.5434, 76.3450

 29.4518, 35.3587,
5.5671


 199.3937,
225.1066, 100.7961

 19.5689, 23.9393,
2.5192

 242.4498,
272.5136, 129.9790

 12.1885, 15.2886,
0.8503

291.2967,
326.1489, 164.3122

 6.9453, 9.0222,
0.0000

346.2997,

 3.4739, 4.7557,

386.3967, 204.2142

0.0000

407.8242,
453.6416, 250.1036

■ 1.4091, 2.1046,
0.0000

■ 0.2627, 0.6672,
0.0000

■ 77.7695, 90.0729,
27.1968

■ 77.7695, 90.0729,
27.1968

■ 76.3035, 88.9805,
21.0374

■ 79.6371, 91.3353,
35.4432

■ 75.1966, 88.0314,
16.7704


■ 81.9313, 92.7679,
45.9373


■ 74.4088, 87.2125,
14.1743

■ 84.6828, 94.3862,
58.8303

■ 73.8823, 86.5011,
12.9461

■ 87.9174, 96.2006,
74.2589

 73.7937, 86.3676,
12.7813

 91.6592, 98.2206,
92.3494

95.0498, 99.9999,
108.9000

Harmonies

Analogous

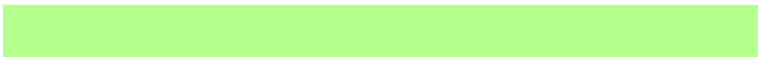
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9372, 90.0729, 28.1093



77.7695, 90.0729, 27.1968



63.0639, 90.0729, 39.4389

Triad

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



77.7695, 90.0729, 27.1968



61.4270, 90.0729, 187.9783



125.5966, 90.0729, 132.5798

Complementary

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



77.7695, 90.0729, 27.1968



30.0185, 22.1555, 97.3015

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.



112.9797, 90.0729, 197.0671



77.7695, 90.0729, 27.1968



75.2044, 90.0729, 236.3341

Square

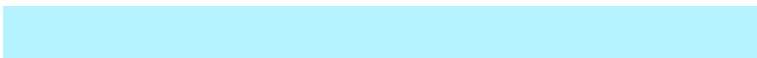
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7695, 90.0729, 27.1968



54.6143, 90.0729, 123.1307



93.9639, 90.0729, 240.1691



126.5558, 90.0729, 76.6705

Rectangle

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



77.7695, 90.0729, 27.1968



56.9885, 90.0729, 57.4544



93.9639, 90.0729, 240.1691



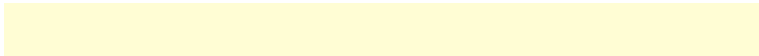
122.5011, 90.0729, 154.3783

Sweetspot

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



77.7716, 90.0771, 27.1986



88.2821, 96.4010, 76.0104



49.5582, 33.0002, 19.7980



18.7461, 20.5514, 15.5492



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.



77.7716, 90.0771, 27.1986



76.0594, 88.7836, 20.0572



59.2520, 83.3237, 26.8712



19.4945, 20.9571, 19.1620



38.5868, 45.1849, 6.6878



3.7759, 4.4371, 0.6574

Inverse Universe

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



30.0185, 22.1555, 97.3015



24.2196, 15.0755, 96.2411



40.6750, 26.6892, 97.6150



17.0620, 17.4956, 22.7277



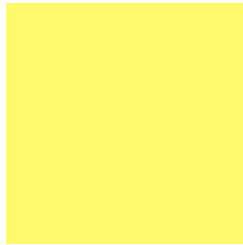
9.5156, 3.9407, 49.6937



0.9463, 0.4234, 4.8451

Previews

White Background



This preview shows how the XYZ color 77.7695, 90.0729, 27.1968 looks on a white background.

Color Contrast Check

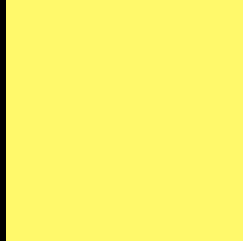
Large Text (above 18pt) WCAG AA × Fail

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 77.7695, 90.0729, 27.1968 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

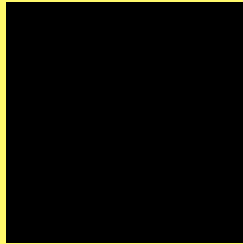
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.7695, 90.0729, 27.1968

Background



This preview shows how black text looks on a background with the XYZ color 77.7695, 90.0729, 27.1968.



This preview shows how white text looks on a background with the XYZ color 77.7695, 90.0729,

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

77.7695, 90.0729, 27.1968

Protanopia

84.1333, 90.1784, 68.2302

Deuteranopia

86.4228, 89.6616, 84.7030



Tritanopia

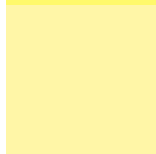
88.8950, 89.7084, 100.6259

Trichromacy



Original Color

77.7695, 90.0729, 27.1968



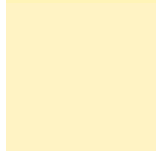
Protanomaly

81.1708, 89.9616, 49.6454



Deuteranomaly

82.1379, 89.3803, 57.7227



Tritanomaly

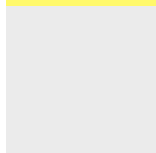
83.2544, 89.3467, 65.0822

Monochromacy



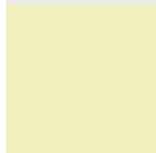
Original Color

77.7695, 90.0729, 27.1968



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.8551, 84.8283, 59.8997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.7695, 90.0729, 27.1968 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, 249, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 107)  
}
```

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, 249, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 107) }
```

Border

The CSS property to change the border of an element to XYZ 77.7695, 90.0729, 27.1968 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, 249, 107) }
```


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

```
.border{ border-color:rgb(255, 249, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 107);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 77.7695, 90.0729, 27.1968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 107) }
```

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

```
.background{ background-color: rgb(255,  
249, 107) }
```

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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