

Converting Colors

XYZ(77.2711, 90.3694, 23.0433)

Have a look what the booklet for
XYZ(77.2711, 90.3694, 23.0433)
contains.

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Color

**XYZ(77.2711, 90.3694,
23.0433)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFA5A
RGB	255, 250, 90
RGB Percent	100%, 98%, 35%
CMY	0.0000, 0.0196, 0.6470
CMYK	0.00, 0.02, 0.65, 0.00
HSL	58°, 100%, 68%
HSV	58°, 65%, 100%
XYZ	77.2711, 90.3694, 23.0433
YIQ	233.2550, 54.3400, -48.7000

Conversions

Conversions Part 2

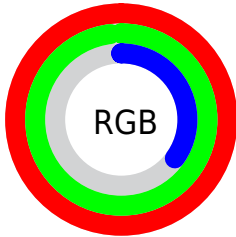
Format	Color
R _Y B	95, 255, 90
Decimal	16775770
CIE Lab	96.15, -16.75, 74.18
CIE LCh	96, 76.043, 102.724
Yxy	90.3694, 0.4052, 0.4739
Android (android.graphics.Color)	4294965850 (0xFFFFFA5A)
YUV	233.2550, -70.6247, 19.0704
Hunter-Lab	95.0628, -21.2676, 52.1720

Details

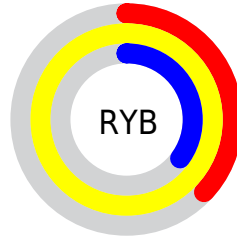
The XYZ color **77.2711, 90.3694, 23.0433** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.3589, 17.5779, 96.6109**, and the grayscale version is **78.1335, 82.2025, 89.5185**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **41.9521, 50.2475, 8.2982** is the 20% darker color. If you saturate the color by 10%, you get **76.1281, 89.5327, 18.1954**, and if you desaturate by 10%, it is **78.7915, 91.3654, 29.8550**.

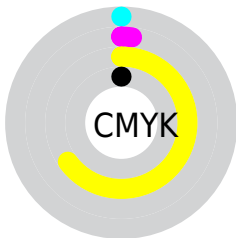
Distribution



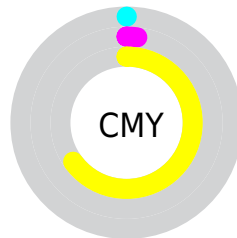
- Red (100%)
- Green (98%)
- Blue (35%)



- Red (37%)
- Yellow (100%)
- Blue (35%)



- Cyan (0%)
- Magenta (2%)
- Yellow (65%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.2711, 90.3694, 23.0433 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 77.2711, 90.3694, 23.0433 by changing the saturation by 10% instead.

77.2711, 90.3694,
23.0433

77.2711, 90.3694,
23.0433

474.5656,
529.2318, 281.0764

57.7761, 68.2871,
14.4199

128.4929,
147.8514, 49.3885

41.8712, 50.1313,
8.2712

160.9504,
184.0199, 67.9474

29.1911, 35.5177,
4.1787

198.4595,
225.6525, 90.6552

19.3705, 24.0620,
1.7239

241.3855,
273.1336, 117.9304

12.0439, 15.3796,
0.3770

290.0937,
326.8478, 150.1916

6.8460, 9.0862,
0.0000

344.9496,

3.4114, 4.7975,

387.1792, 187.8573

0.0000

406.3185,
454.5124, 231.3461

■ 1.3749, 2.1289,
0.0000

■ 0.2382, 0.6808,
0.0000

■ 77.2711, 90.3694,
23.0433

■ 77.2711, 90.3694,
23.0433

■ 76.1281, 89.5327,
18.1954

■ 78.7915, 91.3654,
29.8550

■ 75.3162, 88.8266,
15.0956

■ 80.7172, 92.5217,
38.8055

■ 74.7885, 88.2358,
13.4875

■ 83.0807, 93.8546,
50.0567

■ 74.5873, 87.9548,
13.0458

■ 85.9095, 95.3753,
63.7535

89.2289, 97.0939,
80.0287

93.0623, 99.0195,
99.0057

95.0498, 99.9999,
108.9000

Harmonies

Analogous

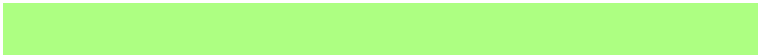
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.5024, 90.3694, 23.9619



77.2711, 90.3694, 23.0433



61.2224, 90.3694, 35.3801

Triad

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



77.2711, 90.3694, 23.0433



59.4238, 90.3694, 200.0446



130.7050, 90.3694, 137.0557

Complementary

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



77.2711, 90.3694, 23.0433



26.3589, 17.5779, 96.6109

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.



116.4348, 90.3694, 210.6914



77.2711, 90.3694, 23.0433



74.4091, 90.3694, 256.0879

Square

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



77.2711, 90.3694, 23.0433



52.1106, 90.3694, 126.2450



95.1344, 90.3694, 260.6298



131.8105, 90.3694, 74.9784

Rectangle

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



77.2711, 90.3694, 23.0433



54.6680, 90.3694, 54.2080



95.1344, 90.3694, 260.6298



127.1935, 90.3694, 161.7623

Sweetspot

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



77.2732, 90.3736, 23.0452



87.7416, 96.3312, 72.7127



46.9850, 29.4085, 14.1473



18.5794, 20.5145, 14.5791



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.



77.2732, 90.3736, 23.0452



75.8262, 89.2864, 16.9917



55.9661, 81.7231, 22.4985



19.5113, 20.9908, 19.1676



38.9947, 46.0007, 6.8238



3.8110, 4.5074, 0.6692

Inverse Universe

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



26.3589, 17.5779, 96.6109



21.4156, 11.5218, 95.7029



37.6434, 22.7489, 97.0142



17.0471, 17.4658, 22.7227



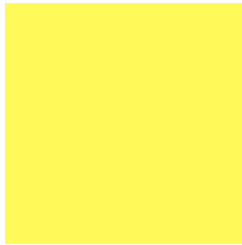
9.4943, 3.8982, 49.6866



0.9393, 0.4092, 4.8428

Previews

White Background



This preview shows how the XYZ color 77.2711, 90.3694, 23.0433 looks on a white background.

Color Contrast Check

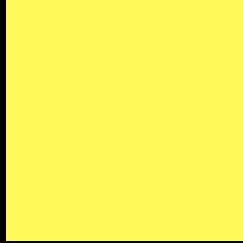
Large Text (above 18pt) WCAG AA × Fail

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 77.2711, 90.3694, 23.0433 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 77.2711, 90.3694, 23.0433

Background



This preview shows how black text looks on a background with the XYZ color 77.2711, 90.3694, 23.0433.



This preview shows how white text looks on a background with the XYZ color 77.2711, 90.3694,

Color Blindness Simulation

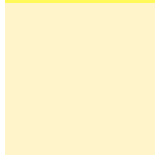
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



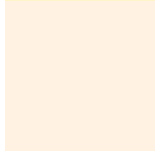
Original Color

77.2711, 90.3694, 23.0433



Protanopia

84.2514, 90.2256, 68.8519



Deuteranopia

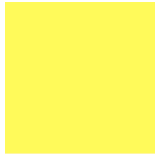
86.8573, 90.3103, 85.5268



Tritanopia

89.1886, 90.2956, 100.7237

Trichromacy



Original Color

77.2711, 90.3694, 23.0433



Protanomaly

80.6288, 89.7447, 46.7911



Deuteranomaly

81.8282, 89.7391, 54.6036



Tritanomaly

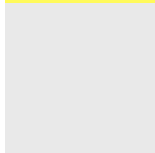
82.8849, 89.6791, 61.6565

Monochromacy



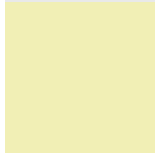
Original Color

77.2711, 90.3694, 23.0433



Achromatopsia

77.4512, 81.4847, 88.7368



Achromatomaly

75.4826, 83.7700, 55.9069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.2711, 90.3694, 23.0433 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, 250, 90)` looks like.

```
.text, #text, p{  
    color:rgb(255, 250, 90)  
}
```

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, 250, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 250, 90) }
```

Border

The CSS property to change the border of an element to XYZ 77.2711, 90.3694, 23.0433 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, 250, 90) }
```


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

```
.border{ border-color:rgb(255, 250, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 250, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 250, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 250, 90);  
box-shadow:4px 4px 4px 4px rgb(255, 250,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 77.2711, 90.3694, 23.0433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 250, 90) }
```

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

```
.background{ background-color: rgb(255,  
250, 90) }
```

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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