

Converting Colors

XYZ(94.9564, 100.0000,
24.2975)

Have a look what the booklet for
XYZ(94.9564, 100.0000, 24.2975)
contains.

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Color

**XYZ(77.6255, 91.0097,
23.3729)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFB5B
RGB	255, 251, 91
RGB Percent	100%, 98%, 36%
CMY	0.0000, 0.0157, 0.6431
CMYK	0.00, 0.02, 0.64, 0.00
HSL	59°, 100%, 68%
HSV	59°, 64%, 100%
XYZ	77.6255, 91.0097, 23.3729
YIQ	233.9560, 53.7440, -48.9120

Conversions

Conversions Part 2

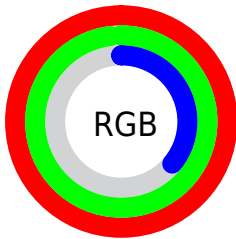
Format	Color
R _Y B	95, 255, 91
Decimal	16776027
CIE Lab	96.41, -17.18, 74.07
CIE LCh	96, 76.031, 103.056
Yxy	91.0097, 0.4043, 0.4740
Android (android.graphics.Color)	4294966107 (0xFFFFFB5B)
YUV	233.9560, -70.4773, 18.4556
Hunter-Lab	95.3990, -21.7041, 52.2532

Details

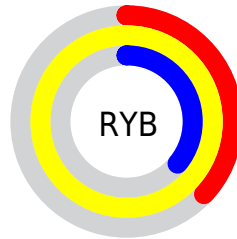
The XYZ color **77.6255, 91.0097, 23.3729** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **26.4568, 17.6284, 96.6153**, and the grayscale version is **78.6640, 82.7606, 90.1263**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **42.1963, 50.7025, 8.4823** is the 20% darker color. If you saturate the color by 10%, you get **76.5143, 90.2588, 18.4671**, and if you desaturate by 10%, it is **79.1152, 91.9198, 30.2500**.

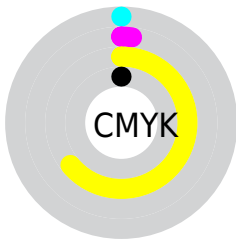
Distribution



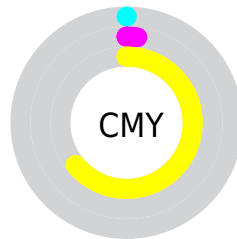
- Red (100%)
- Green (98%)
- Blue (36%)



- Red (37%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (2%)
- Yellow (64%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.6255, 91.0097, 23.3729 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 77.6255, 91.0097, 23.3729 by changing the saturation by 10% instead.


 77.6255, 91.0097,
23.3729


 77.6255, 91.0097,
23.3729


475.7533,
531.3099, 282.8183


 58.0681, 68.8184,
14.6612


 128.9902,
148.7401, 49.9358


 42.1069, 50.5638,
8.4380


 161.5283,
185.0480, 68.6242

 29.3765, 35.8616,
4.2847


 199.1239,
226.8302, 91.4751

 19.5115, 24.3273,
1.7828

 242.1425,
274.4712, 118.9073

 12.1466, 15.5766,
0.4166

290.9493,
328.3552, 151.3391

 6.9165, 9.2251,
0.0000

345.9099,

 3.4558, 4.8883,

388.8667, 189.1892

0.0000

407.3894,
456.3902, 232.8761

■ 1.3991, 2.1819,
0.0000

■ 0.2556, 0.7101,
0.0000

■ 77.6255, 91.0097,
23.3729

■ 77.6255, 91.0097,
23.3729

■ 76.5143, 90.2588,
18.4671

■ 79.1152, 91.9198,
30.2500

■ 75.7355, 89.6385,
15.3182

■ 81.0111, 92.9900,
39.2723

■ 75.2428, 89.1337,
13.6725

■ 83.3456, 94.2366,
50.6012

■ 75.0510, 88.8823,
13.2004

■ 86.1461, 95.6707,
64.3809

89.4378, 97.3023,
80.7440

93.2441, 99.1407,
99.8134

95.0497, 99.9999,
108.9000

Harmonies

Analogous

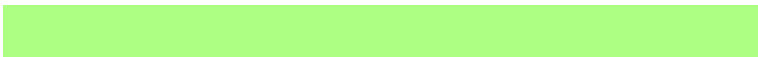
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



98.9203, 91.0097, 24.1634



77.6255, 91.0097, 23.3729



61.5738, 91.0097, 35.9733

Triad

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



77.6255, 91.0097, 23.3729



60.0294, 91.0097, 201.9374



131.5936, 91.0097, 137.1150

Complementary

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



77.6255, 91.0097, 23.3729



26.4568, 17.6284, 96.6153

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.



117.3864, 91.0097, 211.0646



77.6255, 91.0097, 23.3729



75.1691, 91.0097, 257.7487

Square

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



77.6255, 91.0097, 23.3729



52.5892, 91.0097, 127.8420



96.0306, 91.0097, 261.6413



132.5417, 91.0097, 75.0153

Rectangle

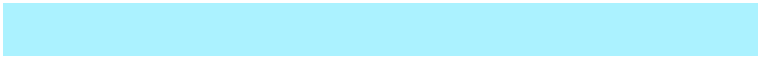
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.6255, 91.0097, 23.3729



55.0431, 91.0097, 55.0880



96.0306, 91.0097, 261.6413



128.1161, 91.0097, 161.8858

Sweetspot

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



77.6276, 91.0139, 23.3748



87.8324, 96.5128, 72.7430



47.1144, 29.5962, 14.4100



18.6017, 20.5592, 14.5866



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.



77.6276, 91.0139, 23.3748



76.2743, 90.0801, 17.4573



56.1162, 81.7955, 22.7292



19.5211, 21.0103, 19.1709



39.2331, 46.4774, 6.9032



3.8315, 4.5485, 0.6760

Inverse Universe

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



26.4568, 17.6284, 96.6153



21.6344, 11.7420, 95.7339



37.8412, 22.9770, 97.0477



17.0385, 17.4485, 22.7198



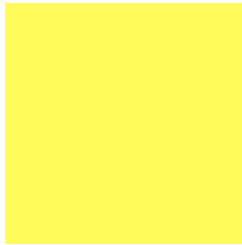
9.4821, 3.8737, 49.6825



0.9352, 0.4010, 4.8414

Previews

White Background



This preview shows how the XYZ color 77.6255, 91.0097, 23.3729 looks on a white background.

Color Contrast Check

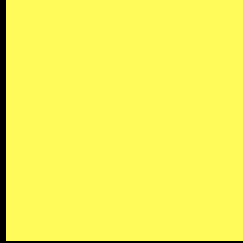
Large Text (above 18pt) WCAG AA × Fail

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 77.6255, 91.0097, 23.3729 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 77.6255, 91.0097, 23.3729

Background



This preview shows how black text looks on a background with the XYZ color 77.6255, 91.0097, 23.3729.



This preview shows how white text looks on a background with the XYZ color 77.6255, 91.0097,

Color Blindness Simulation

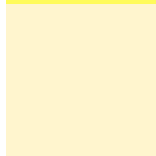
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



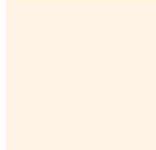
Original Color

77.6255, 91.0097, 23.3729



Protanopia

85.0330, 91.0210, 71.4796



Deuteranopia

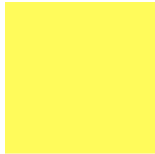
87.4334, 91.0183, 87.0888



Tritanopia

89.6386, 90.9479, 101.6372

Trichromacy



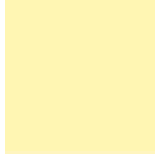
Original Color

77.6255, 91.0097, 23.3729



Protanomaly

81.2016, 90.4619, 48.3031



Deuteranomaly

82.3325, 90.4262, 55.7624



Tritanomaly

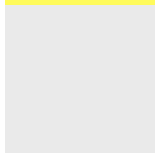
83.2964, 90.3264, 62.3348

Monochromacy



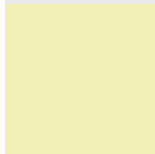
Original Color

77.6255, 91.0097, 23.3729



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.2215, 84.5748, 56.5632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6255, 91.0097, 23.3729 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, 251, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 91)  
}
```

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, 251, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 91) }
```

Border

The CSS property to change the border of an element to XYZ 77.6255, 91.0097, 23.3729 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, 251, 91) }
```


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

```
.border{ border-color:rgb(255, 251, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6255, 91.0097, 23.3729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 91) }
```

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

```
.background{ background-color: rgb(255,  
251, 91) }
```

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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