

Converting Colors

XYZ(77.2418, 91.5104, 23.5995)

Have a look what the booklet for
XYZ(77.2418, 91.5104, 23.5995)
contains.

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Color

**XYZ(77.5216, 91.8885,
23.5480)**

Conversions

Conversions Part 1

Format	Color
Hex	<code>FDFD5B</code>
RGB	<code>253, 253, 91</code>
RGB Percent	<code>99%, 99%, 36%</code>
CMY	<code>0.0078, 0.0078, 0.6431</code>
CMYK	<code>0.00, 0.00, 0.64, 0.01</code>
HSL	<code>60°, 98%, 67%</code>
HSV	<code>60°, 64%, 99%</code>
XYZ	<code>77.5216, 91.8885, 23.5480</code>
YIQ	<code>234.5320, 52.0020, -50.3820</code>

Conversions

Conversions Part 2

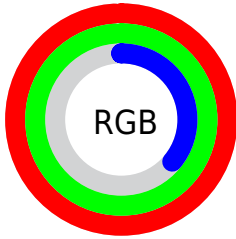
Format	Color
R_{YB}	91, 253, 91
Decimal	16645467
CIE _{Lab}	96.77, -18.94, 74.39
CIE _{LCh}	97, 76.762, 104.284
Yxy	91.8885, 0.4018, 0.4762
Android (android.graphics.Color)	4294835547 (0xFFFD5B)
YUV	234.5320, -70.7613, 16.1964
Hunter-Lab	95.8585, -23.3978, 52.5361

Details

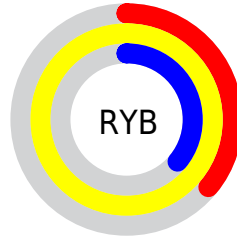
The XYZ color **77.5216, 91.8885, 23.5480** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.7879, 16.8002, 94.8177**, and the grayscale version is **79.1051, 83.2247, 90.6317**.

A 20% lighter version of the original color is **82.3453, 94.9181, 41.9979**, and **42.1234, 51.3359, 8.5528** is the 20% darker color. If you saturate the color by 10%, you get **76.6094, 91.5270, 18.7375**, and if you desaturate by 10%, it is **78.8058, 92.4056, 30.2991**.

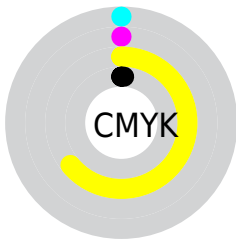
Distribution



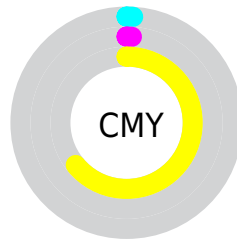
- Red (99%)
- Green (99%)
- Blue (36%)



- Red (36%)
- Yellow (99%)
- Blue (36%)



- Cyan (0%)
- Magenta (0%)
- Yellow (64%)
- Black (1%)



- Cyan (1%)
- Magenta (1%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.5216, 91.8885, 23.5480 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 77.5216, 91.8885, 23.5480 by changing the saturation by 10% instead.

77.5216, 91.8885,
23.5480

77.5216, 91.8885,
23.5480

475.4053,
534.1551, 283.7399

57.9825, 69.5480,
14.7896

128.8444,
149.9588, 50.2261

42.0378, 51.1581,
8.5269

161.3589,
186.4575, 68.9829

29.3221, 36.3345,
4.3413

198.9292,
228.4443, 91.9096

19.4701, 24.6926,
1.8144

241.9206,
276.3038, 119.4247

12.1165, 15.8482,
0.4374

290.6986,
330.4202, 151.9467

6.8958, 9.4168,
0.0000

345.6285,

3.4428, 5.0140,

391.1779, 189.8942

0.0000

407.0756,
458.9614, 233.6858

■ 1.3920, 2.2555,
0.0000

■ 0.2505, 0.7500,
0.0000

■ 77.5216, 91.8885,
23.5480

■ 77.5216, 91.8885,
23.5480

■ 76.6094, 91.5270,
18.7375

■ 78.8058, 92.4056,
30.2991

■ 76.0242, 91.2929,
15.6581

■ 80.4890, 93.0790,
39.1605

■ 75.7209, 91.1715,
14.0627

■ 82.6029, 93.9246,
50.2900

■ 75.6337, 91.1366,
13.6048

■ 85.1744, 94.9532,
63.8288

88.2280, 96.1747,
79.9066

91.7866, 97.5982,
98.6439

93.6881, 98.3589,
108.6550

93.6886, 98.3591,
108.6550

93.6890, 98.3593,
108.6550

Harmonies

Analogous

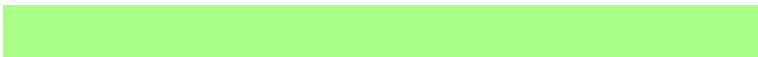
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



99.0313, 91.8885, 23.8416



77.5216, 91.8885, 23.5480



61.5165, 91.8885, 36.9366

Triad

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



77.5216, 91.8885, 23.5480



60.9391, 91.8885, 207.6877



133.5273, 91.8885, 135.7040

Complementary

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



77.5216, 91.8885, 23.5480



25.7879, 16.8002, 94.8177

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.



119.5285, 91.8885, 211.1164



77.5216, 91.8885, 23.5480



76.6021, 91.8885, 262.9577

Square

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



77.5216, 91.8885, 23.5480



53.0637, 91.8885, 132.2266



97.9484, 91.8885, 264.4212



133.8831, 91.8885, 73.5705

Rectangle

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



77.5216, 91.8885, 23.5480



55.1118, 91.8885, 56.9382



97.9484, 91.8885, 264.4212



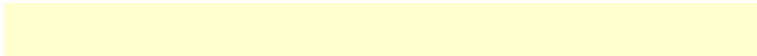
130.1700, 91.8885, 160.7801

Sweetspot

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



77.5237, 91.8928, 23.5499



88.2067, 97.2626, 72.8680



46.1406, 29.1224, 13.0881



18.6938, 20.7438, 14.6173



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.



77.5237, 91.8928, 23.5499



77.7771, 93.0904, 17.9592



54.0306, 79.7816, 22.4504



19.5612, 21.0907, 19.1843



40.2320, 48.4784, 7.2368



3.9173, 4.7202, 0.7046

Inverse Universe

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



25.7879, 16.8002, 94.8177



21.3795, 11.2315, 95.6488



38.4868, 23.3467, 95.4120



17.0032, 17.3779, 22.7080



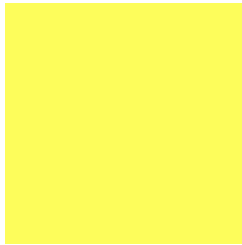
9.4316, 3.7727, 49.6657



0.9183, 0.3673, 4.8358

Previews

White Background



This preview shows how the XYZ color 77.5216, 91.8885, 23.5480 looks on a white background.

Color Contrast Check

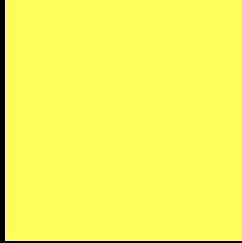
Large Text (above 18pt) WCAG AA × Fail

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 77.5216, 91.8885, 23.5480 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 77.5216, 91.8885, 23.5480

Background



This preview shows how black text looks on a background with the XYZ color 77.5216, 91.8885, 23.5480.

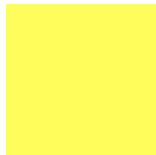


This preview shows how white text looks on a background with the XYZ color 77.5216, 91.8885,

Color Blindness Simulation

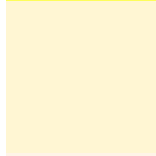
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



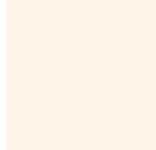
Original Color

77.5216, 91.8885, 23.5480



Protanopia

85.9536, 91.8747, 74.8314



Deuteranopia

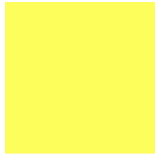
88.0145, 91.7309, 88.6683



Tritanopia

90.2474, 91.6664, 103.3793

Trichromacy



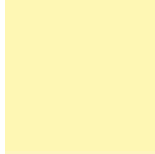
Original Color

77.5216, 91.8885, 23.5480



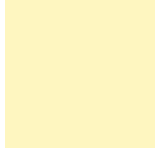
Protanomaly

81.7238, 91.6122, 49.9348



Deuteranomaly

82.3720, 90.8876, 56.3816



Tritanomaly

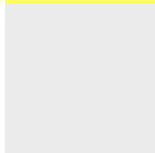
83.3432, 90.7881, 63.0004

Monochromacy



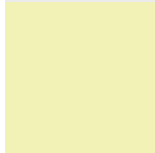
Original Color

77.5216, 91.8885, 23.5480



Achromatopsia

78.9647, 83.0770, 90.4708



Achromatomaly

76.9173, 85.8004, 57.3069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5216, 91.8885, 23.5480 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(253, 253, 91)` looks like.

```
.text, #text, p{  
    color:rgb(253, 253, 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(253, 253, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 253, 91) }
```

Border

The CSS property to change the border of an element to XYZ 77.5216, 91.8885, 23.5480 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(253, 253, 91) }
```


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

```
.border{ border-color:rgb(253, 253, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 253, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 253, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 253, 91);  
box-shadow:4px 4px 4px 4px rgb(253, 253,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5216, 91.8885, 23.5480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 253, 91) }
```

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

```
.background{ background-color: rgb(253,  
253, 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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