

Converting Colors

XYZ(76.6455, 89.3382, 22.1570)

Have a look what the booklet for
XYZ(76.6455, 89.3382, 22.1570)
contains.

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Color

**XYZ(76.5277, 89.0829,
22.1781)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF857
RGB	255, 248, 87
RGB Percent	100%, 97%, 34%
CMY	0.0000, 0.0274, 0.6588
CMYK	0.00, 0.03, 0.66, 0.00
HSL	58°, 100%, 67%
HSV	58°, 66%, 100%
XYZ	76.5277, 89.0829, 22.1781
YIQ	231.7390, 55.8530, -48.5870

Conversions

Conversions Part 2

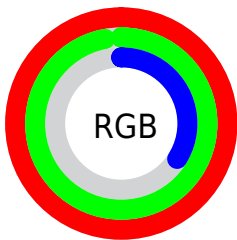
Format	Color
RYB	94, 255, 87
Decimal	16775255
CIELab	95.62, -15.95, 74.76
CIELCh	96, 76.446, 102.039
Yxy	89.0829, 0.4075, 0.4744
Android (android.graphics.Color)	4294965335 (0xFFFFFFFF857)
YUV	231.7390, -71.3563, 20.3999
Hunter-Lab	94.3837, -20.4412, 52.1368

Details

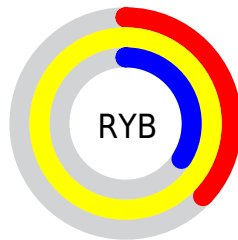
The XYZ color **76.5277, 89.0829, 22.1781** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.9834, 17.2515, 96.5676**, and the grayscale version is **76.9962, 81.0060, 88.2156**.

A 20% lighter version of the original color is **82.0340, 94.7936, 40.3589**, and **41.4488, 49.3388, 7.8290** is the 20% darker color. If you saturate the color by 10%, you get **75.3398, 88.0904, 17.5189**, and if you desaturate by 10%, it is **78.0894, 90.2345, 28.7784**.

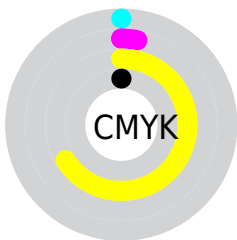
Distribution



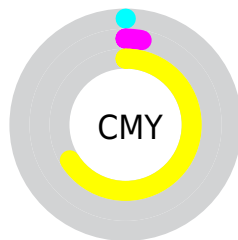
- Red (100%)
- Green (97%)
- Blue (34%)



- Red (37%)
- Yellow (100%)
- Blue (34%)



- Cyan (0%)
- Magenta (3%)
- Yellow (66%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.5277, 89.0829, 22.1781 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 76.5277, 89.0829, 22.1781 by changing the saturation by 10% instead.


 76.5277, 89.0829,
22.1781


 76.5277, 89.0829,
22.1781


472.0689,
525.0430, 276.4587

 57.1639, 67.2203,
13.7883


 127.4490,
146.0638, 47.9461


 41.3775, 49.2636,
7.8365


 159.7371,
181.9509, 66.1614

 28.8031, 34.8287,
3.9042


 197.0641,
223.2816, 88.4889

 19.0755, 23.5309,
1.5729

 239.7953,
270.4403, 115.3472

 11.8292, 14.9860,
0.2714

288.2960,
323.8114, 147.1548

 6.6988, 8.8096,
0.0000

342.9316,

 3.3191, 4.6172,

383.7793, 184.3302

0.0000

404.0674,
450.7284, 227.2920

■ 1.3247, 2.0245,
0.0000

■ 0.2016, 0.6216,
0.0000

■ 76.5277, 89.0829,
22.1781

■ 76.5277, 89.0829,
22.1781

■ 75.3398, 88.0904,
17.5189

■ 78.0894, 90.2345,
28.7784

■ 74.4788, 87.2283,
14.5808

■ 80.0535, 91.5468,
37.4977

■ 73.8961, 86.4804,
13.0994

■ 82.4529, 93.0361,
48.5001

■ 73.7065, 86.1934,
12.7522

■ 85.3153, 94.7137,
61.9319

88.6664, 96.5896,
77.9274

92.5297, 98.6735,
96.6109

95.0498, 99.9999,
108.9000

Harmonies

Analogous

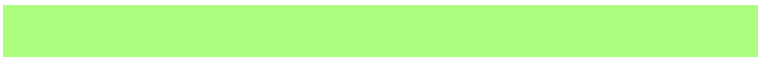
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.7367, 89.0829, 23.3539



76.5277, 89.0829, 22.1781



60.4164, 89.0829, 33.9835

Triad

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



76.5277, 89.0829, 22.1781



58.0927, 89.0829, 196.8197



129.1619, 89.0829, 137.1859

Complementary

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



76.5277, 89.0829, 22.1781



25.9834, 17.2515, 96.5676

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.



114.6767, 89.0829, 210.6654



76.5277, 89.0829, 22.1781



72.8243, 89.0829, 253.7444

Square

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



76.5277, 89.0829, 22.1781



51.0129, 89.0829, 123.1602



93.3716, 89.0829, 259.6574



130.5972, 89.0829, 74.8277

Rectangle

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



76.5277, 89.0829, 22.1781



53.7895, 89.0829, 52.2660



93.3716, 89.0829, 259.6574



125.5590, 89.0829, 161.9156

Sweetspot

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



76.5298, 89.0871, 22.1799



87.2256, 95.7927, 71.0193



46.7324, 28.9107, 14.0405



18.4699, 20.3914, 14.2473



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.



76.5298, 89.0871, 22.1799



75.0384, 87.8083, 16.4286



56.1638, 81.8395, 21.8544



19.4926, 20.9534, 19.1614



38.5420, 45.0953, 6.6729



3.7720, 4.4294, 0.6562

Inverse Universe

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



25.9834, 17.2515, 96.5676



21.2664, 11.4301, 95.6931



36.4815, 21.7818, 96.8887



17.0636, 17.4989, 22.7282



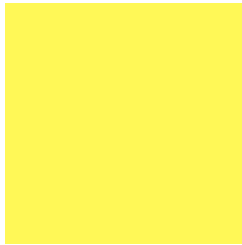
9.5179, 3.9454, 49.6945



0.9471, 0.4249, 4.8454

Previews

White Background



This preview shows how the XYZ color 76.5277, 89.0829, 22.1781 looks on a white background.

Color Contrast Check

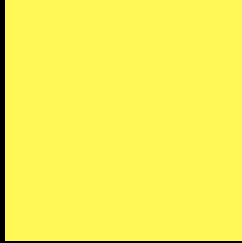
Large Text (above 18pt) WCAG AA × Fail

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 76.5277, 89.0829, 22.1781 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 76.5277, 89.0829, 22.1781

Background



This preview shows how black text looks on a background with the XYZ color 76.5277, 89.0829, 22.1781.



This preview shows how white text looks on a background with the XYZ color 76.5277, 89.0829,

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



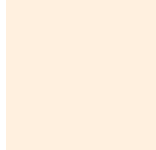
Original Color

76.5277, 89.0829, 22.1781



Protanopia

82.7297, 88.6593, 63.7916



Deuteranopia

85.7194, 88.9079, 82.4551



Tritanopia

88.4491, 89.0629, 99.7179

Trichromacy



Original Color

76.5277, 89.0829, 22.1781



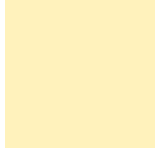
Protanomaly

79.5071, 88.3279, 43.8689



Deuteranomaly

80.9306, 88.4172, 52.8451



Tritanomaly

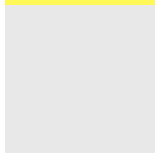
82.0692, 88.3951, 60.3134

Monochromacy



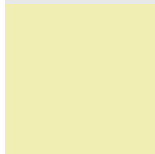
Original Color

76.5277, 89.0829, 22.1781



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.6464, 82.9290, 54.7204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5277, 89.0829, 22.1781 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, 248, 87)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 87)  
}
```

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, 248, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 87) }
```

Border

The CSS property to change the border of an element to XYZ 76.5277, 89.0829, 22.1781 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, 248, 87) }
```


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

```
.border{ border-color:rgb(255, 248, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 87);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5277, 89.0829, 22.1781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 87) }
```

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

```
.background{ background-color: rgb(255,  
248, 87) }
```

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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