

Converting Colors

XYZ(77.1229, 87.7724, 33.6458)

Have a look what the booklet for
XYZ(77.1229, 87.7724, 33.6458)
contains.

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Color

**XYZ(77.1229, 87.7724,
33.6458)**

Conversions

Conversions Part 1

Format	Color
Hex	FDF581
RGB	253, 245, 129
RGB Percent	99%, 96%, 51%
CMY	0.0078, 0.0392, 0.4941
CMYK	0.00, 0.03, 0.49, 0.01
HSL	56°, 97%, 75%
HSV	56°, 49%, 99%
XYZ	77.1229, 87.7724, 33.6458
YIQ	234.1680, 42.0040, -34.3800

Conversions

Conversions Part 2

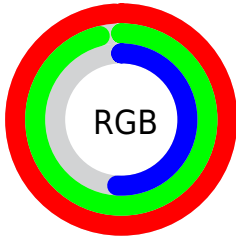
Format	Color
R _Y B	138, 253, 129
Decimal	16643457
CIE Lab	95.07, -12.37, 56.28
CIE LCh	95, 57.622, 102.398
Yxy	87.7724, 0.3884, 0.4421
Android (android.graphics.Color)	4294833537 (0xFFFFDF581)
YUV	234.1680, -51.8478, 16.5157
Hunter-Lab	93.6869, -17.0113, 44.2880

Details

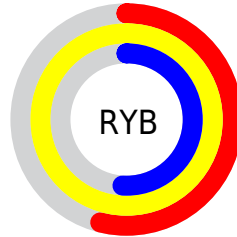
The XYZ color **77.1229, 87.7724, 33.6458** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **35.7285, 29.6495, 96.7682**, and the grayscale version is **78.6941, 82.7924, 90.1609**.

A 20% lighter version of the original color is **85.6517, 96.2407, 59.4094**, and **41.7502, 48.3863, 13.9765** is the 20% darker color. If you saturate the color by 10%, you get **75.1547, 86.2023, 25.6954**, and if you desaturate by 10%, it is **79.5160, 89.5258, 43.7937**.

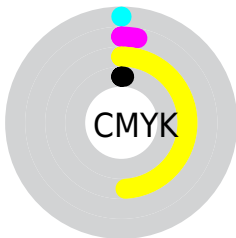
Distribution



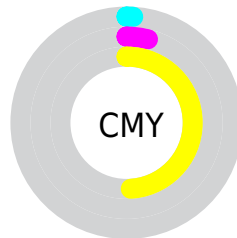
- Red (99%)
- Green (96%)
- Blue (51%)



- Red (54%)
- Yellow (99%)
- Blue (51%)



- Cyan (0%)
- Magenta (3%)
- Yellow (49%)
- Black (1%)





- Cyan (1%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.1229, 87.7724, 33.6458 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 77.1229, 87.7724, 33.6458 by changing the saturation by 10% instead.


 77.1229, 87.7724,
33.6458


 77.1229, 87.7724,
33.6458


474.0685,
520.7576, 333.2706


 57.6540, 66.1346,
22.3465


 128.2849,
144.2402, 66.5101

 41.7727, 48.3817,
13.9110


 160.7087,
179.8391, 88.9121

 29.1137, 34.1292,
7.9207


 198.1815,
220.8604, 115.8521

 19.3116, 22.9929,
3.9572

241.0687,
267.6885, 147.7486

 12.0010, 14.5883,
1.6019

289.7357,
320.7079, 185.0202

 6.8165, 8.5309,
0.2922

344.5477,

 3.3929, 4.4365,

380.3030, 228.0853

0.0000

405.8702,
446.8581, 277.3626

■ 1.3648, 1.9206,
0.0000

■ 0.2309, 0.5607,
0.0000

■ 77.1229, 87.7724,
33.6458

■ 77.1229, 87.7724,
33.6458

■ 75.1547, 86.2023,
25.6954

■ 79.5160, 89.5258,
43.7937

■ 73.5738, 84.7908,
19.7723

■ 82.3558, 91.4617,
56.2816

■ 72.3465, 83.5278,
15.6900

■ 85.6701, 93.5944,
71.2465

■ 71.4305, 82.3961,
13.2256

■ 89.4825, 95.9334,
88.8133

70.7630, 81.3707,
12.0484

93.7342, 98.4550,
108.6711

70.7026, 81.2719,
11.9606

94.2517, 99.4901,
108.8437

94.3180, 99.6226,
108.8657

Harmonies

Analogous

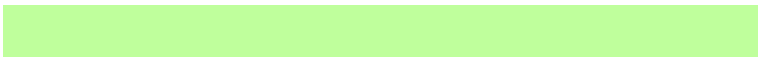
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8701, 87.7724, 34.6667



77.1229, 87.7724, 33.6458



64.7168, 87.7724, 44.9674

Triad

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



77.1229, 87.7724, 33.6458



63.0979, 87.7724, 166.3429



115.5591, 87.7724, 124.1040

Complementary

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



77.1229, 87.7724, 33.6458



35.7285, 29.6495, 96.7682

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.



105.4302, 87.7724, 174.4859



77.1229, 87.7724, 33.6458



74.6431, 87.7724, 203.6448

Square

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



77.1229, 87.7724, 33.6458



57.3266, 87.7724, 115.3152



90.0615, 87.7724, 207.0201



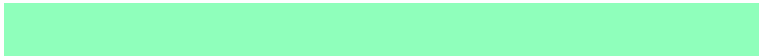
116.4408, 87.7724, 78.2168

Rectangle

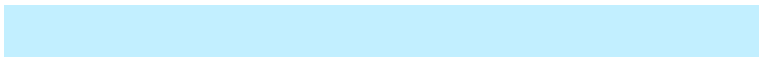
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1229, 87.7724, 33.6458



59.4756, 87.7724, 60.9108



90.0615, 87.7724, 207.0201



113.0695, 87.7724, 141.3734

Sweetspot

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



77.1250, 87.7765, 33.6476



88.7103, 96.2136, 79.3708



52.8934, 38.3979, 28.3922



18.8173, 20.4882, 16.2065



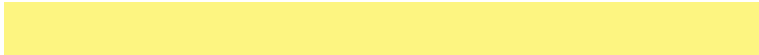
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

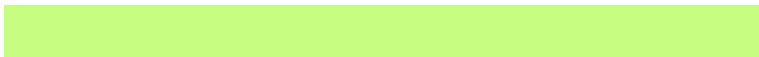
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1250, 87.7765, 33.6476



76.5104, 87.7580, 26.1501



62.7123, 84.0143, 33.6811



19.4551, 20.8783, 19.1489



37.6531, 43.3174, 6.3766



3.6952, 4.2758, 0.6306

Inverse Universe

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



35.7285, 29.6495, 96.7682



29.8684, 22.2869, 97.3353



45.0458, 32.8280, 96.8907



17.0970, 17.5656, 22.7393



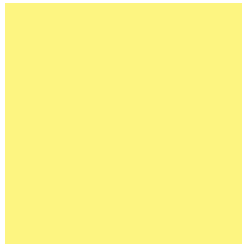
9.5670, 4.0436, 49.7108



0.9629, 0.4565, 4.8506

Previews

White Background



This preview shows how the XYZ color 77.1229, 87.7724, 33.6458 looks on a white background.

Color Contrast Check

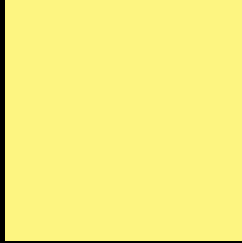
Large Text (above 18pt) WCAG AA × Fail

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 77.1229, 87.7724, 33.6458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

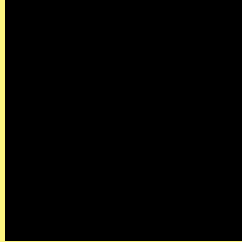
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.1229, 87.7724, 33.6458

Background



This preview shows how black text looks on a background with the XYZ color 77.1229, 87.7724, 33.6458.

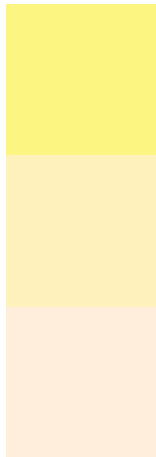


This preview shows how white text looks on a background with the XYZ color 77.1229, 87.7724,

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

77.1229, 87.7724, 33.6458

Protanopia

81.6649, 87.7585, 59.6486

Deuteranopia

84.7328, 87.5764, 80.1482



Tritanopia

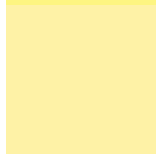
87.8700, 87.9047, 99.5248

Trichromacy



Original Color

77.1229, 87.7724, 33.6458



Protanomaly

79.5081, 87.3283, 48.7419



Deuteranomaly

81.2980, 87.5693, 59.6314



Tritanomaly

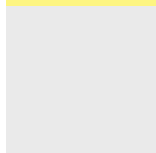
82.5190, 87.1156, 68.9657

Monochromacy



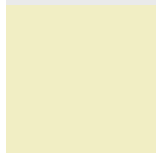
Original Color

77.1229, 87.7724, 33.6458



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.8140, 83.8354, 64.3579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1229, 87.7724, 33.6458 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, 245, 129)` looks like.

```
.text, #text, p{  
    color:rgb(253, 245, 129)  
}
```

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, 245, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 245, 129) }
```

Border

The CSS property to change the border of an element to XYZ 77.1229, 87.7724, 33.6458 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, 245, 129) }
```


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

```
.border{ border-color:rgb(253, 245, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 245, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(253, 245, 129); -webkit-box-shadow:4px 4px 4px 4px rgb(253, 245, 129); box-shadow:4px 4px 4px 4px rgb(253, 245, 129) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1229, 87.7724, 33.6458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 245, 129) }
```

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

```
.background{ background-color: rgb(253,  
245, 129) }
```

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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