

Converting Colors

XYZ(77.2380, 87.9787, 30.2003)

Have a look what the booklet for
XYZ(77.2380, 87.9787, 30.2003)
contains.

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Color

**XYZ(77.1624, 87.8728,
30.0338)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF576
RGB	255, 245, 118
RGB Percent	100%, 96%, 46%
CMY	0.0000, 0.0392, 0.5372
CMYK	0.00, 0.04, 0.54, 0.00
HSL	56°, 100%, 73%
HSV	56°, 54%, 100%
XYZ	77.1624, 87.8728, 30.0338
YIQ	233.5120, 46.7270, -37.3770

Conversions

Conversions Part 2

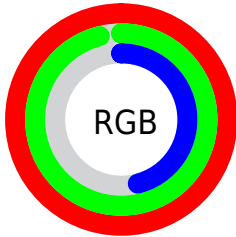
Format	Color
R_{YB}	129, 255, 118
Decimal	16774518
CIE Lab	95.11, -12.47, 61.37
CIE LCh	95, 62.629, 101.489
Yxy	87.8728, 0.3956, 0.4505
Android (android.graphics.Color)	4294964598 (0xFFFFF576)
YUV	233.5120, -56.9474, 18.8450
Hunter-Lab	93.7405, -17.1138, 46.6222

Details

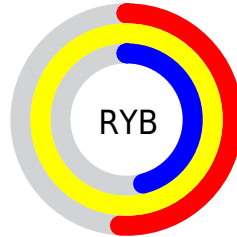
The XYZ color **77.1624, 87.8728, 30.0338** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **33.2403, 26.5092, 97.9721**, and the grayscale version is **78.2317, 82.3058, 89.6310**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **41.8880, 48.5011, 12.0044** is the 20% darker color. If you saturate the color by 10%, you get **75.2882, 86.2305, 22.9171**, and if you desaturate by 10%, it is **79.4560, 89.6984, 39.3128**.

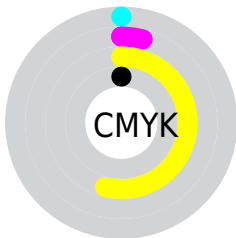
Distribution



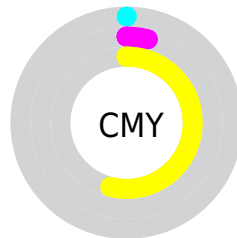
- Red (100%)
- Green (96%)
- Blue (46%)



- Red (51%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (4%)
- Yellow (54%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.1624, 87.8728, 30.0338 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 77.1624, 87.8728, 30.0338 by changing the saturation by 10% instead.


 77.1624, 87.8728,
30.0338


 77.1624, 87.8728,
30.0338


474.2010,
521.0866, 316.2742


 57.6866, 66.2177,
19.6120


 128.3403,
144.3801, 60.7773

 41.7990, 48.4492,
11.9320


 160.7731,
180.0010, 81.9360

 29.1344, 34.1827,
6.5754


 198.2556,
221.0461, 107.5108

 19.3273, 23.0340,
3.1236

241.1532,
267.8996, 137.9201

 12.0124, 14.6186,
1.1581

289.8311,
320.9461, 173.5826

 6.8244, 8.5522,
0.0000

344.6548,

 3.3979, 4.4503,

380.5698, 214.9167

0.0000

405.9897,
447.1552, 262.3411

■ 1.3675, 1.9285,
0.0000

■ 0.2329, 0.5654,
0.0000

■ 77.1624, 87.8728,
30.0338

■ 77.1624, 87.8728,
30.0338

■ 75.2882, 86.2305,
22.9171

■ 79.4560, 89.6984,
39.3128

■ 73.7933, 84.7456,
17.7790

■ 82.1929, 91.7072,
50.9071

■ 72.6405, 83.4067,
14.4147

■ 85.4023, 93.9141,
64.9620

■ 71.7819, 82.1943,
12.5721

■ 89.1094, 96.3292,
81.6093

■ 71.3504, 81.4810,
11.9668

■ 93.3375, 98.9618,
100.9718

95.0498, 99.9999,
108.9000

Harmonies

Analogous

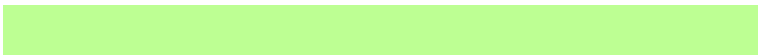
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.3612, 87.8728, 31.4288



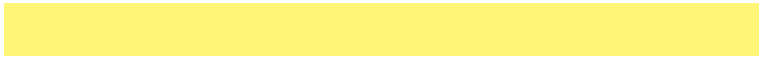
77.1624, 87.8728, 30.0338



63.6395, 87.8728, 41.1937

Triad

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



77.1624, 87.8728, 30.0338



61.3015, 87.8728, 172.2832



118.6043, 87.8728, 128.6709

Complementary

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



77.1624, 87.8728, 30.0338



33.2403, 26.5092, 97.9721

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.



107.1626, 87.8728, 184.5935



77.1624, 87.8728, 30.0338



73.5435, 87.8728, 215.1031

Square

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



77.1624, 87.8728, 30.0338



55.3496, 87.8728, 115.6138



90.2185, 87.8728, 220.2484



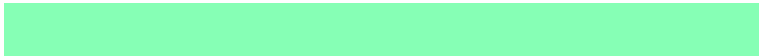
119.9213, 87.8728, 78.1777

Rectangle

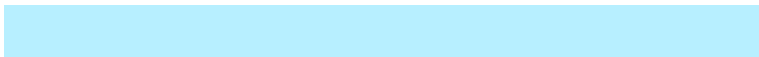
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



77.1624, 87.8728, 30.0338



57.9095, 87.8728, 57.5123



90.2185, 87.8728, 220.2484



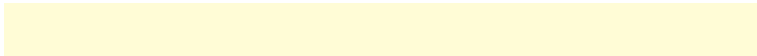
115.7489, 87.8728, 147.8248

Sweetspot

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



77.1645, 87.8769, 30.0356



88.2211, 95.7611, 77.5863



51.7091, 35.8138, 25.1029



18.7158, 20.3888, 15.8535



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.



77.1645, 87.8769, 30.0356



75.2423, 86.1878, 22.7496



62.2971, 84.8224, 30.2296



19.4411, 20.8505, 19.1442



37.3302, 42.6717, 6.2689



3.6672, 4.2198, 0.6212

Inverse Universe

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



33.2403, 26.5092, 97.9721



27.3643, 19.3262, 96.8958



42.2271, 29.3015, 98.0375



17.1094, 17.5904, 22.7435



9.5879, 4.0853, 49.7178



0.9688, 0.4683, 4.8526

Previews

White Background



This preview shows how the XYZ color 77.1624, 87.8728, 30.0338 looks on a white background.

Color Contrast Check

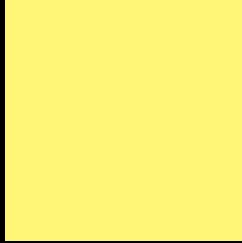
Large Text (above 18pt) WCAG AA × Fail

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 77.1624, 87.8728, 30.0338 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 77.1624, 87.8728, 30.0338

Background



This preview shows how black text looks on a background with the XYZ color 77.1624, 87.8728, 30.0338.



This preview shows how white text looks on a background with the XYZ color 77.1624, 87.8728,

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

77.1624, 87.8728, 30.0338

Protanopia

81.6649, 87.7585, 59.6486

Deuteranopia

84.7328, 87.5764, 80.1482



Tritanopia

87.7169, 87.8435, 98.7185

Trichromacy



Original Color

77.1624, 87.8728, 30.0338



Protanomaly

79.5137, 87.3729, 46.8563



Deuteranomaly

81.2425, 87.5895, 57.4243



Tritanomaly

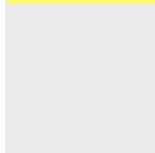
82.4153, 87.1165, 66.5042

Monochromacy



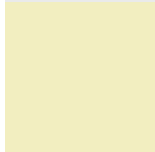
Original Color

77.1624, 87.8728, 30.0338



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.7069, 83.8321, 62.0075

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.1624, 87.8728, 30.0338 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, 245, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 118)  
}
```

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, 245, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 118) }
```

Border

The CSS property to change the border of an element to XYZ 77.1624, 87.8728, 30.0338 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, 245, 118) }
```


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

```
.border{ border-color:rgb(255, 245, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 77.1624, 87.8728, 30.0338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 118) }
```

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

```
.background{ background-color: rgb(255,  
245, 118) }
```

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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