

Converting Colors

XYZ(77.5735, 88.5175, 30.7193)

Have a look what the booklet for
XYZ(77.5735, 88.5175, 30.7193)
contains.

XYZ(77.5859, 88.5276, 30.7676)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(77.5859, 88.5276,
30.7676)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF678
RGB	255, 246, 120
RGB Percent	100%, 96%, 47%
CMY	0.0000, 0.0353, 0.5294
CMYK	0.00, 0.04, 0.53, 0.00
HSL	56°, 100%, 74%
HSV	56°, 53%, 100%
XYZ	77.5859, 88.5276, 30.7676
YIQ	234.3270, 45.8100, -37.2780

Conversions

Conversions Part 2

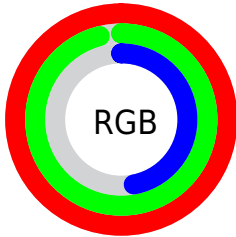
Format	Color
R_{YB}	130, 255, 120
Decimal	16774776
CIE _{Lab}	95.38, -12.81, 60.80
CIE _{LCh}	95, 62.131, 101.898
Yxy	88.5276, 0.3941, 0.4497
Android (android.graphics.Color)	4294964856 (0xFFFFFFFF678)
YUV	234.3270, -56.3632, 18.1302
Hunter-Lab	94.0891, -17.4648, 46.4743

Details

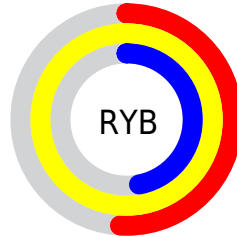
The XYZ color **77.5859, 88.5276, 30.7676** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **33.6459, 26.9128, 98.0286**, and the grayscale version is **78.8462, 82.9523, 90.3351**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **42.1618, 48.9560, 12.3816** is the 20% darker color. If you saturate the color by 10%, you get **75.7263, 86.9641, 23.5031**, and if you desaturate by 10%, it is **79.8665, 90.2736, 40.2072**.

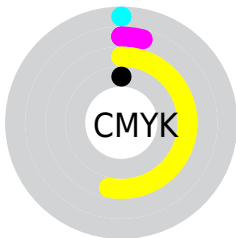
Distribution



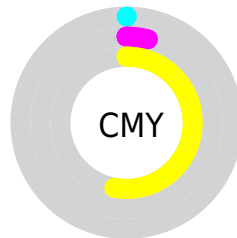
- Red (100%)
- Green (96%)
- Blue (47%)



- Red (51%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (4%)
- Yellow (53%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.5859, 88.5276, 30.7676 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 77.5859, 88.5276, 30.7676 by changing the saturation by 10% instead.


 77.5859, 88.5276,
30.7676


 77.5859, 88.5276,
30.7676


475.6207,
523.2295, 319.7842

 58.0355, 66.7601,
20.1650

 128.9347,
145.2915, 61.9493

 42.0805, 48.8897,
12.3297


 161.4637,
181.0566, 83.3654

 29.3557, 34.5320,
6.8434

 199.0497,
222.2564, 109.2231

 19.4957, 23.3026,
3.2874

242.0579,
269.2753, 139.9409

 12.1352, 14.8171,
1.2432

290.8538,
322.4977, 175.9374

 6.9086, 8.6911,
0.0145

345.8026,

 3.4509, 4.5403,

382.3079, 217.6311

0.0000

407.2698,
449.0904, 265.4405

■ 1.3964, 1.9801,
0.0000

■ 0.2537, 0.5959,
0.0000

■ 77.5859, 88.5276,
30.7676

■ 77.5859, 88.5276,
30.7676

■ 75.7263, 86.9641,
23.5031

■ 79.8665, 90.2736,
40.2072

■ 74.2479, 85.5573,
18.2317


■ 82.5915, 92.2018,
51.9735


■ 73.1140, 84.2958,
14.7514

■ 85.7903, 94.3270,
66.2107

■ 72.2777, 83.1609,
12.8146

■ 89.4877, 96.6592,
83.0501

 71.8181, 82.4164,
12.1227

 93.7068, 99.2079,
102.6136

95.0498, 99.9999,
108.9000

Harmonies

Analogous

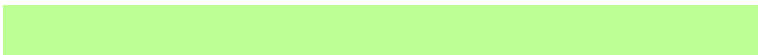
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.7067, 88.5276, 32.0080



77.5859, 88.5276, 30.7676



64.1582, 88.5276, 42.1769

Triad

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



77.5859, 88.5276, 30.7676



62.0941, 88.5276, 173.3412



119.1698, 88.5276, 128.4813

Complementary

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



77.5859, 88.5276, 30.7676



33.6459, 26.9128, 98.0286

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.



107.8982, 88.5276, 184.1467



77.5859, 88.5276, 30.7676



74.3952, 88.5276, 215.4691

Square

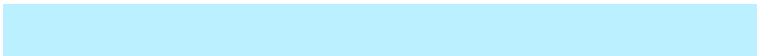
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.5859, 88.5276, 30.7676



56.0540, 88.5276, 116.9953



91.0591, 88.5276, 219.9808



120.3276, 88.5276, 78.3609

Rectangle

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



77.5859, 88.5276, 30.7676



58.4907, 88.5276, 58.6965



91.0591, 88.5276, 219.9808



116.3742, 88.5276, 147.5190

Sweetspot

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



77.5880, 88.5317, 30.7694



88.3022, 95.9234, 77.6134



51.9194, 36.2787, 25.0361



18.7354, 20.4280, 15.8600



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

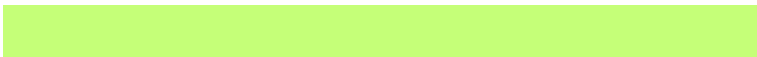
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.5880, 88.5317, 30.7694



75.5524, 86.8080, 22.8530



62.0458, 84.6789, 30.8449



19.4515, 20.8712, 19.1477



37.5708, 43.1529, 6.3492



3.6881, 4.2615, 0.6282

Inverse Universe

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



33.6459, 26.9128, 98.0286



27.2613, 19.1203, 96.8615



43.2423, 30.1782, 98.1531



17.1001, 17.5719, 22.7404



9.5721, 4.0539, 49.7125



0.9644, 0.4595, 4.8511

Previews

White Background



This preview shows how the XYZ color 77.5859, 88.5276, 30.7676 looks on a white background.

Color Contrast Check

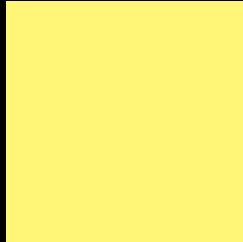
Large Text (above 18pt) WCAG AA × Fail

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 77.5859, 88.5276, 30.7676 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 77.5859, 88.5276, 30.7676

Background



This preview shows how black text looks on a background with the XYZ color 77.5859, 88.5276, 30.7676.

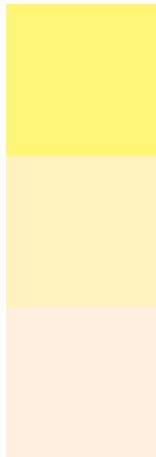


This preview shows how white text looks on a background with the XYZ color 77.5859, 88.5276,

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

77.5859, 88.5276, 30.7676

Protanopia

82.5066, 88.5700, 62.6163

Deuteranopia

85.2913, 88.2669, 81.6491



Tritanopia

88.1587, 88.4822, 99.6211

Trichromacy



Original Color

77.5859, 88.5276, 30.7676



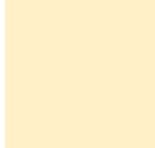
Protanomaly

80.1735, 88.1144, 48.8586



Deuteranomaly

81.7491, 88.2670, 58.6275



Tritanomaly

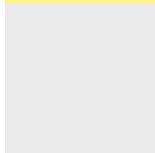
82.8254, 87.7503, 67.2157

Monochromacy



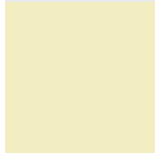
Original Color

77.5859, 88.5276, 30.7676



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.8181, 83.8766, 62.5931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.5859, 88.5276, 30.7676 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, 246, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 120)  
}
```

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, 246, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 120) }
```

Border

The CSS property to change the border of an element to XYZ 77.5859, 88.5276, 30.7676 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, 246, 120) }
```


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

```
.border{ border-color:rgb(255, 246, 120) }
```

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

Here you see how a box with a 4 pixel rgb(255, 246, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 77.5859, 88.5276, 30.7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 120) }
```

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

```
.background{ background-color: rgb(255,  
246, 120) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor