

Converting Colors

XYZ(102.6016, 100.0000,
30.9600)

Have a look what the booklet for
XYZ(102.6016, 100.0000, 30.9600)
contains.

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Color

**XYZ(76.5606, 86.6692,
29.8332)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF376
RGB	255, 243, 118
RGB Percent	100%, 95%, 46%
CMY	0.0000, 0.0470, 0.5372
CMYK	0.00, 0.05, 0.54, 0.00
HSL	55°, 100%, 73%
HSV	55°, 54%, 100%
XYZ	76.5606, 86.6692, 29.8332
YIQ	232.3380, 47.2770, -36.3310

Conversions

Conversions Part 2

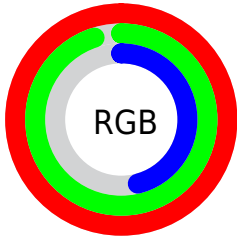
Format	Color
R_{YB}	131, 255, 118
Decimal	16774006
CIE _{Lab}	94.60, -11.49, 60.79
CIE _{LCh}	95, 61.863, 100.707
Yxy	86.6692, 0.3966, 0.4489
Android (android.graphics.Color)	4294964086 (0xFFFFFFFF376)
YUV	232.3380, -56.3686, 19.8746
Hunter-Lab	93.0963, -16.1236, 46.1676

Details

The XYZ color **76.5606, 86.6692, 29.8332** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **33.5038, 27.0361, 98.0600**, and the grayscale version is **77.3415, 81.3693, 88.6112**.

A 20% lighter version of the original color is **84.5428, 95.7971, 53.5700**, and **41.4607, 47.6466, 11.8620** is the 20% darker color. If you saturate the color by 10%, you get **74.5823, 84.8186, 22.6818**, and if you desaturate by 10%, it is **78.9608, 88.7079, 39.1477**.

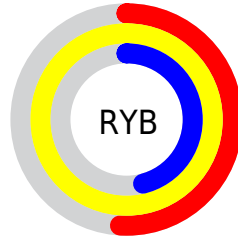
Distribution



Red (100%)

Green (95%)

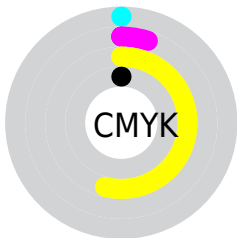
Blue (46%)



Red (51%)

Yellow (100%)

Blue (46%)

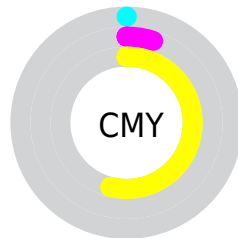


Cyan (0%)

Magenta (5%)

Yellow (54%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.5606, 86.6692, 29.8332 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 76.5606, 86.6692, 29.8332 by changing the saturation by 10% instead.


 76.5606, 86.6692,
29.8332

 76.5606, 86.6692,
29.8332


472.1795,
517.1352, 315.3093


 57.1910, 65.2215,
19.4610


 127.4952,
142.7030, 60.4562

 41.3993, 47.6407,
11.8237


 159.7908,
178.0578, 81.5441

 28.8203, 33.5424,
6.5027

 197.1259,
218.8172, 107.0410

 19.0885, 22.5423,
3.0794

239.8657,
265.3654, 137.3654

 11.8386, 14.2559,
1.1353

288.3756,
318.0869, 172.9359

 6.7053, 8.2989,
0.0000

343.0210,

 3.3232, 4.2868,

377.3662, 214.1710

0.0000

404.1672,
443.5875, 261.4893

■ 1.3269, 1.8352,
0.0000

■ 0.2032, 0.5090,
0.0000

■ 76.5606, 86.6692,
29.8332

■ 76.5606, 86.6692,
29.8332

■ 74.5823, 84.8186,
22.6818

■ 78.9608, 88.7079,
39.1477

■ 72.9857, 83.1305,
17.5098

■ 81.8067, 90.9348,
50.7783

■ 71.7337, 81.5931,
14.1125

■ 85.1277, 93.3648,
64.8704

■ 70.7783, 80.1872,
12.2376

■ 88.9488, 96.0079,
81.5558

70.2873, 79.3548,
11.6125

93.2934, 98.8737,
100.9571

95.0498, 99.9999,
108.9000

Harmonies

Analogous

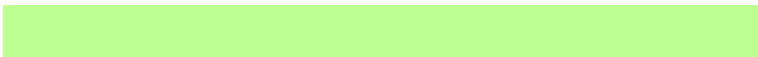
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.4328, 86.6692, 31.5152



76.5606, 86.6692, 29.8332



63.1810, 86.6692, 40.4635

Triad

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



76.5606, 86.6692, 29.8332



60.3791, 86.6692, 167.8374



116.5040, 86.6692, 128.0816

Complementary

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



76.5606, 86.6692, 29.8332



33.5038, 27.0361, 98.0600

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.



105.1124, 86.6692, 182.5171



76.5606, 86.6692, 29.8332



72.2287, 86.6692, 210.3089

Square

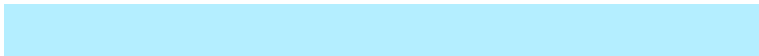
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5606, 86.6692, 29.8332



54.7124, 86.6692, 112.4816



88.4797, 86.6692, 216.4389



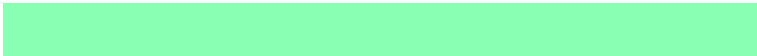
118.0765, 86.6692, 78.3116

Rectangle

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



76.5606, 86.6692, 29.8332



57.4534, 86.6692, 56.1865



88.4797, 86.6692, 216.4389



113.6303, 86.6692, 146.8152

Sweetspot

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



76.5627, 86.6732, 29.8350



88.0343, 95.3876, 77.5241



51.8632, 35.8754, 25.9146



18.6708, 20.2988, 15.8385



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

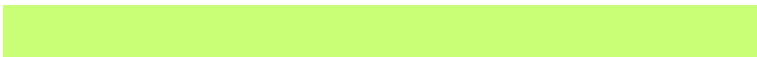
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.5627, 86.6732, 29.8350



74.5335, 84.7702, 22.5134



62.9032, 85.1348, 30.2580



19.4172, 20.8026, 19.1362



36.7831, 41.5775, 6.0866



3.6197, 4.1248, 0.6054

Inverse Universe

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



33.5038, 27.0361, 98.0600



27.6066, 19.8110, 96.9766



41.7186, 29.0393, 98.0137



17.1308, 17.6332, 22.7506



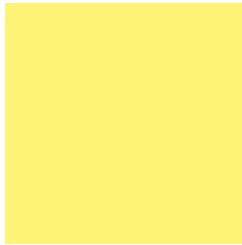
9.6280, 4.1656, 49.7312



0.9789, 0.4885, 4.8560

Previews

White Background



This preview shows how the XYZ color 76.5606, 86.6692, 29.8332 looks on a white background.

Color Contrast Check

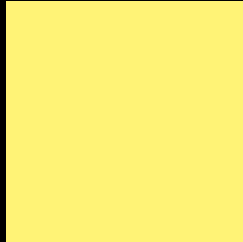
Large Text (above 18pt) WCAG AA × Fail

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 76.5606, 86.6692, 29.8332 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 76.5606, 86.6692, 29.8332

Background



This preview shows how black text looks on a background with the XYZ color 76.5606, 86.6692, 29.8332.



This preview shows how white text looks on a background with the XYZ color 76.5606, 86.6692,

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

76.5606, 86.6692, 29.8332

Protanopia

80.5368, 86.8348, 55.1639

Deuteranopia

83.9189, 86.7862, 77.2942



Tritanopia

86.8405, 86.5767, 96.9280

Trichromacy



Original Color

76.5606, 86.6692, 29.8332



Protanomaly

78.7811, 86.6049, 44.4625



Deuteranomaly

80.3447, 86.2883, 55.6007



Tritanomaly

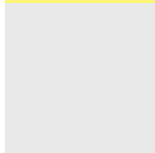
81.7172, 85.9056, 65.7006

Monochromacy



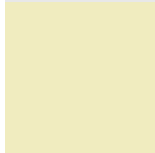
Original Color

76.5606, 86.6692, 29.8332



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

75.3346, 82.2778, 61.2009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.5606, 86.6692, 29.8332 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, 243, 118)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 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, 243, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 118) }
```

Border

The CSS property to change the border of an element to XYZ 76.5606, 86.6692, 29.8332 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, 243, 118) }
```


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

```
.border{ border-color:rgb(255, 243, 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, 243, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 118);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 76.5606, 86.6692, 29.8332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 118) }
```

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

```
.background{ background-color: rgb(255,  
243, 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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