

Converting Colors

XYZ(80.3180, 100.0000,
31.5387)

Have a look what the booklet for
XYZ(80.3180, 100.0000, 31.5387)
contains.

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Color

**XYZ(76.2206, 92.0141,
30.2662)**

Conversions

Conversions Part 1

Format	Color
Hex	F4FF74
RGB	244, 255, 116
RGB Percent	96%, 100%, 45%
CMY	0.0431, 0.0000, 0.5451
CMYK	0.04, 0.00, 0.55, 0.00
HSL	65°, 100%, 73%
HSV	65°, 55%, 100%
XYZ	76.2206, 92.0141, 30.2662
YIQ	235.8650, 38.0630, -45.5610

Conversions

Conversions Part 2

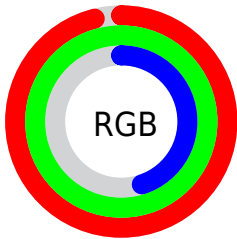
Format	Color
RYB	116, 255, 127
Decimal	16056180
CIELab	96.83, -21.79, 64.00
CIELCh	97, 67.609, 108.800
Yxy	92.0141, 0.3840, 0.4635
Android (android.graphics.Color)	4294246260 (0xFFFF4FF74)
YUV	235.8650, -59.0934, 7.1344
Hunter-Lab	95.9240, -26.0320, 48.4394

Details

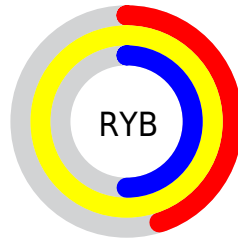
The XYZ color **76.2206, 92.0141, 30.2662** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **33.0489, 24.2240, 97.5416**, and the grayscale version is **80.0422, 84.2106, 91.7054**.

A 20% lighter version of the original color is **84.4464, 95.7586, 53.0622**, and **41.0173, 51.0287, 11.9626** is the 20% darker color. If you saturate the color by 10%, you get **74.2385, 91.1407, 23.4648**, and if you desaturate by 10%, it is **78.6175, 93.0541, 39.2140**.

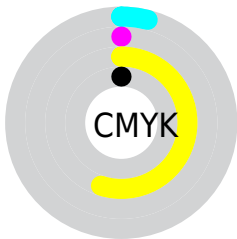
Distribution



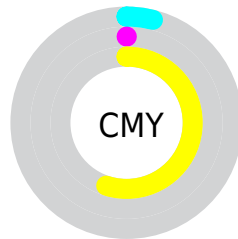
- Red (96%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (50%)



- Cyan (4%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2206, 92.0141, 30.2662 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 76.2206, 92.0141, 30.2662 by changing the saturation by 10% instead.

76.2206, 92.0141,
30.2662

76.2206, 92.0141,
30.2662

471.0353,
534.5611, 317.3892

56.9111, 69.6523,
19.7870

127.0174,
150.1329, 61.1489

41.1737, 51.2432,
12.0577

159.2354,
186.6588, 82.3894

28.6431, 36.4022,
6.6600

196.4869,
228.6748, 108.0541

18.9539, 24.7450,
3.1752

239.1374,
276.5654, 138.5615

11.7408, 15.8871,
1.1848

287.5521,
330.7149, 174.3302

6.6384, 9.4443,
0.0000

342.0964,

3.2813, 5.0321,

391.5078, 215.7787

0.0000

403.1357,
459.3284, 263.3255

■ 1.3042, 2.2661,
0.0000

■ 0.1864, 0.7557,
0.0000

■ 76.2206, 92.0141,
30.2662

■ 76.2206, 92.0141,
30.2662

■ 74.2385, 91.1407,
23.4648

■ 78.6175, 93.0541,
39.2140

■ 72.6369, 90.4205,
18.6261

■ 81.4595, 94.2732,
50.4643

■ 71.3761, 89.8375,
15.5420

■ 84.7740, 95.6821,
64.1628

■ 70.4071, 89.3721,
13.9553

■ 88.5864, 97.2911,
80.4424

■ 69.9611, 89.1513,
13.5206

■ 92.9199, 99.1094,
99.4261

95.0500, 100.0000,
108.9000

Harmonies

Analogous

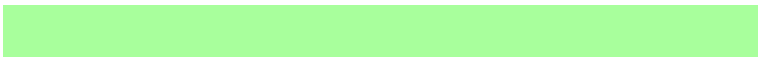
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.7343, 92.0141, 28.6812



76.2206, 92.0141, 30.2662



62.7827, 92.0141, 45.9299

Triad

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



76.2206, 92.0141, 30.2662



65.5638, 92.0141, 201.1328



128.3386, 92.0141, 121.8780

Complementary

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



76.2206, 92.0141, 30.2662



33.0489, 24.2240, 97.5416

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.



117.8721, 92.0141, 185.9499



76.2206, 92.0141, 30.2662



80.5616, 92.0141, 241.5677

Square

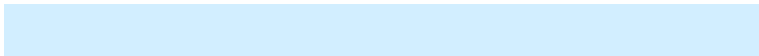
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2206, 92.0141, 30.2662



57.2723, 92.0141, 137.7641



99.7460, 92.0141, 235.1806



126.7294, 92.0141, 70.1527

Rectangle

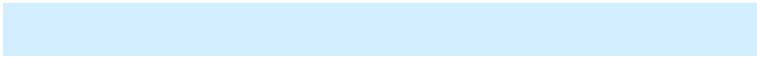
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.2206, 92.0141, 30.2662



57.6672, 92.0141, 66.9608



99.7460, 92.0141, 235.1806



126.0616, 92.0141, 142.9102

Sweetspot

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



76.2207, 92.0140, 30.2674



87.9852, 97.0380, 77.8452



51.7605, 37.2568, 20.9874



18.6589, 20.6970, 15.9159



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.



76.2207, 92.0140, 30.2674



74.1512, 91.1019, 23.1826



56.8704, 82.0386, 29.3618



19.4110, 21.0133, 19.1772



36.6156, 46.6141, 7.0676



3.6055, 4.5595, 0.6900

Inverse Universe

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



33.0489, 24.2240, 97.5416



27.1645, 17.2528, 96.5061



46.7417, 31.2829, 98.1824



17.1362, 17.4464, 22.7143



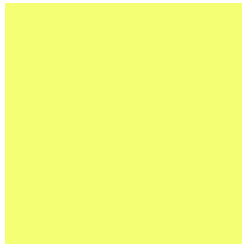
9.6307, 3.8753, 49.6750



0.9815, 0.3999, 4.8387

Previews

White Background



This preview shows how the XYZ color 76.2206, 92.0141, 30.2662 looks on a white background.

Color Contrast Check

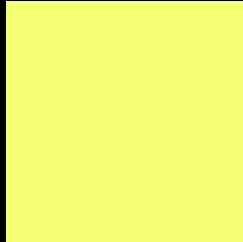
Large Text (above 18pt) WCAG AA × Fail

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 76.2206, 92.0141, 30.2662 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 76.2206, 92.0141, 30.2662

Background



This preview shows how black text looks on a background with the XYZ color 76.2206, 92.0141, 30.2662.



This preview shows how white text looks on a background with the XYZ color 76.2206, 92.0141,

Color Blindness Simulation

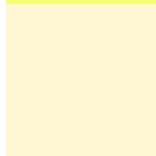
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



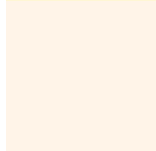
Original Color

76.2206, 92.0141, 30.2662



Protanopia

86.0794, 91.9250, 75.4938



Deuteranopia

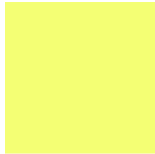
88.1562, 91.7876, 89.4144



Tritanopia

91.0421, 91.9843, 107.5640

Trichromacy



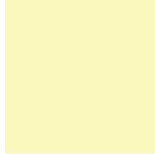
Original Color

76.2206, 92.0141, 30.2662



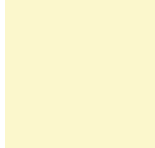
Protanomaly

81.5952, 91.4349, 54.9432



Deuteranomaly

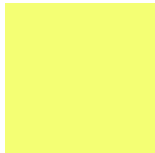
82.6453, 91.3617, 61.9939



Tritanomaly

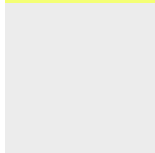
83.9435, 91.3904, 70.3426

Monochromacy



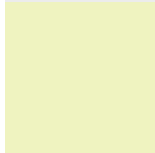
Original Color

76.2206, 92.0141, 30.2662



Achromatopsia

79.7278, 83.8799, 91.3452



Achromatomaly

77.1616, 86.2577, 62.4517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2206, 92.0141, 30.2662 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(244, 255, 116)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 116)  
}
```

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(244, 255, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 116) }
```

Border

The CSS property to change the border of an element to XYZ 76.2206, 92.0141, 30.2662 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(244, 255, 116) }
```


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

```
.border{ border-color:rgb(244, 255, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 255, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 116);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2206, 92.0141, 30.2662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 116) }
```

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

```
.background{ background-color: rgb(244,  
255, 116) }
```

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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