

Converting Colors

XYZ(80.0590, 104.9608,
29.9349)

Have a look what the booklet for
XYZ(80.0590, 104.9608, 29.9349)
contains.

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Color

**XYZ(72.6748, 90.2437,
27.4983)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFF6B
RGB	235, 255, 107
RGB Percent	92%, 100%, 42%
CMY	0.0784, 0.0000, 0.5804
CMYK	0.08, 0.00, 0.58, 0.00
HSL	68°, 100%, 71%
HSV	68°, 58%, 100%
XYZ	72.6748, 90.2437, 27.4983
YIQ	232.1480, 35.5880, -50.2680

Conversions

Conversions Part 2

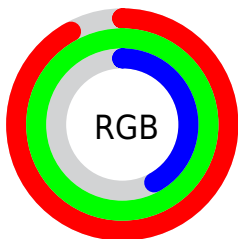
Format	Color
RYB	107, 255, 127
Decimal	15466347
CIELab	96.10, -25.97, 66.85
CIELCh	96, 71.719, 111.227
Yxy	90.2437, 0.3817, 0.4739
Android (android.graphics.Color)	4293656427 (0xFFEBFF6B)
YUV	232.1480, -61.6980, 2.5012
Hunter-Lab	94.9967, -29.6873, 49.3352

Details

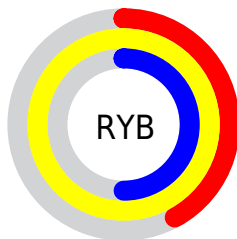
The XYZ color **72.6748, 90.2437, 27.4983** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **32.0612, 22.2487, 97.2124**, and the grayscale version is **77.2409, 81.2634, 88.4959**.

A 20% lighter version of the original color is **83.6109, 95.4243, 48.6623**, and **38.6743, 49.8486, 10.6010** is the 20% darker color. If you saturate the color by 10%, you get **70.3981, 89.2029, 21.3916**, and if you desaturate by 10%, it is **75.3692, 91.4542, 35.6912**.

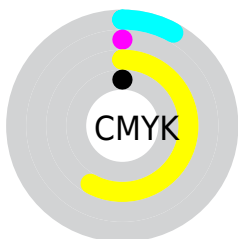
Distribution



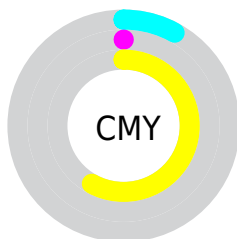
- Red (92%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (50%)



- Cyan (8%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.6748, 90.2437, 27.4983 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 72.6748, 90.2437, 27.4983 by changing the saturation by 10% instead.


 72.6748, 90.2437,
27.4983


 72.6748, 90.2437,
27.4983


459.0082,
528.8233, 303.8979


 53.9975, 68.1828,
17.7121


 122.0211,
147.6769, 56.6959


 38.8303, 50.0465,
10.5762


 153.4207,
183.8179, 76.9443

 26.8079, 35.4503,
5.6721


 189.7920,
225.4211, 101.5172

 17.5648, 24.0100,
2.5812

 231.5000,
272.8708, 130.8331

 10.7358, 15.3410,
0.8827

278.9104,
326.5515, 165.3106

 5.9555, 9.0591,
0.0000

332.3882,

 2.8584, 4.7797,

386.8476, 205.3682

0.0000

392.2991,
454.1434, 251.4245

■ 1.0793, 2.1186,
0.0000

■ 0.0077, 0.6751,
0.0000

■ 72.6748, 90.2437,
27.4983

■ 72.6748, 90.2437,
27.4983

■ 70.3981, 89.2029,
21.3916

■ 75.3692, 91.4542,
35.6912

■ 68.5029, 88.3171,
17.1784


■ 78.5128, 92.8469,
46.1329


■ 66.9467, 87.5695,
14.6365

■ 82.1341, 94.4333,
58.9739

■ 65.6718, 86.9369,
13.4629

■ 86.2591, 96.2237,
74.3511

 65.4386, 86.8199,
13.3089

 90.9122, 98.2280,
92.3906

95.0500, 100.0000,
108.9000

Harmonies

Analogous

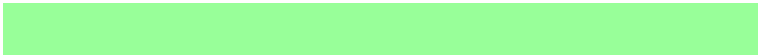
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7321, 90.2437, 24.9533



72.6748, 90.2437, 27.4983



59.3091, 90.2437, 44.4439

Triad

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



72.6748, 90.2437, 27.4983



64.0096, 90.2437, 210.5935



129.3299, 90.2437, 115.9054

Complementary

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



72.6748, 90.2437, 27.4983



32.0612, 22.2487, 97.2124

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.



119.1307, 90.2437, 183.9133



72.6748, 90.2437, 27.4983



80.0795, 90.2437, 250.8604

Square

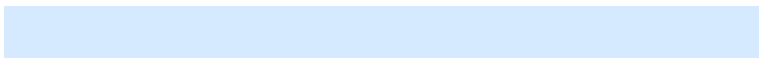
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.6748, 90.2437, 27.4983



54.8696, 90.2437, 143.4248



100.3595, 90.2437, 239.5615



126.5304, 90.2437, 63.7376

Rectangle

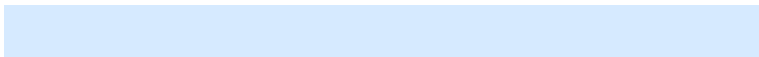
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.6748, 90.2437, 27.4983



54.4552, 90.2437, 67.0941



100.3595, 90.2437, 239.5615



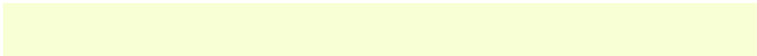
127.2569, 90.2437, 137.8337

Sweetspot

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



72.6749, 90.2437, 27.4995



86.7170, 96.4216, 76.0969



51.4495, 37.4325, 18.4246



18.3724, 20.5566, 15.5699



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.



72.6749, 90.2437, 27.4995



69.9973, 89.0173, 20.4218



53.1664, 80.1867, 26.5865



19.3056, 20.9590, 19.1723



34.2866, 45.4135, 6.9586



3.4023, 4.4547, 0.6805

Inverse Universe

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



32.0612, 22.2487, 97.2124



25.9937, 15.2030, 96.1722



47.3243, 30.1171, 97.9267



17.2312, 17.4954, 22.7187



9.8536, 3.9902, 49.6854



1.0262, 0.4229, 4.8408

Previews

White Background



This preview shows how the XYZ color 72.6748, 90.2437, 27.4983 looks on a white background.

Color Contrast Check

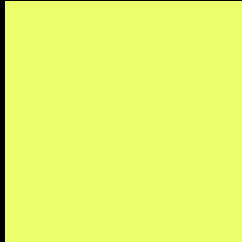
Large Text (above 18pt) WCAG AA × Fail

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 72.6748, 90.2437, 27.4983 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 72.6748, 90.2437, 27.4983

Background



This preview shows how black text looks on a background with the XYZ color 72.6748, 90.2437, 27.4983.



This preview shows how white text looks on a background with the XYZ color 72.6748, 90.2437,

Color Blindness Simulation

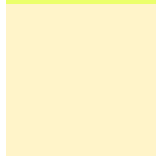
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



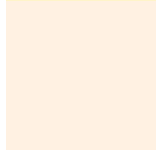
Original Color

72.6748, 90.2437, 27.4983



Protanopia

84.1333, 90.1784, 68.2302



Deuteranopia

86.4228, 89.6616, 84.7030



Tritanopia

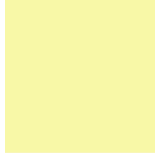
88.2770, 89.6799, 107.2650

Trichromacy



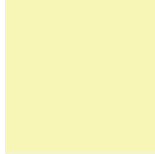
Original Color

72.6748, 90.2437, 27.4983



Protanomaly

79.2539, 89.8813, 49.7309



Deuteranomaly

80.2144, 89.2869, 57.8061



Tritanomaly

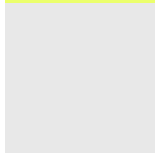
80.5033, 88.7550, 68.1468

Monochromacy



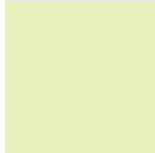
Original Color

72.6748, 90.2437, 27.4983



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.7340, 83.2317, 59.1928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.6748, 90.2437, 27.4983 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(235, 255, 107)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 107)  
}
```

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(235, 255, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 107) }
```

Border

The CSS property to change the border of an element to XYZ 72.6748, 90.2437, 27.4983 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(235, 255, 107) }
```


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

```
.border{ border-color:rgb(235, 255, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 255, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 107);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 72.6748, 90.2437, 27.4983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 107) }
```

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

```
.background{ background-color: rgb(235,  
255, 107) }
```

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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