

Converting Colors

XYZ(95.6780, 90.9000, 30.3375)

Have a look what the booklet for
XYZ(95.6780, 90.9000, 30.3375)
contains.

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Color

**XYZ(72.9270, 79.2097,
29.2146)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE678
RGB	255, 230, 120
RGB Percent	100%, 90%, 47%
CMY	0.0000, 0.0980, 0.5294
CMYK	0.00, 0.10, 0.53, 0.00
HSL	49°, 100%, 74%
HSV	49°, 53%, 100%
XYZ	72.9270, 79.2097, 29.2146
YIQ	224.9350, 50.2100, -28.9100

Conversions

Conversions Part 2

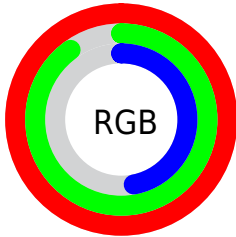
Format	Color
R_YB	151, 255, 120
Decimal	16770680
CIE Lab	91.33, -4.88, 56.05
CIE LCh	91, 56.266, 94.980
Yxy	79.2097, 0.4021, 0.4368
Android (android.graphics.Color)	4294960760 (0xFFFFE678)
YUV	224.9350, -51.7330, 26.3670
Hunter-Lab	88.9998, -9.4857, 42.8377

Details

The XYZ color **72.9270, 79.2097, 29.2146** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.9209, 31.4628, 98.7871**, and the grayscale version is **71.8579, 75.6001, 82.3285**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **39.1080, 42.8010, 11.5104** is the 20% darker color. If you saturate the color by 10%, you get **70.2854, 76.0822, 21.6893**, and if you desaturate by 10%, it is **76.0200, 82.5807, 38.9248**.

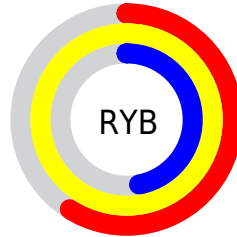
Distribution



Red (100%)

Green (90%)

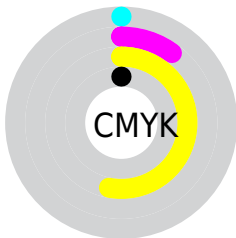
Blue (47%)



Red (59%)

Yellow (100%)

Blue (47%)

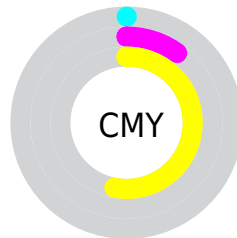


Cyan (0%)

Magenta (10%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (10%)

Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.9270, 79.2097, 29.2146 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 72.9270, 79.2097, 29.2146 by changing the saturation by 10% instead.


 72.9270, 79.2097,
29.2146

 72.9270, 79.2097,
29.2146


459.8695,
492.2655, 312.3187


 54.2044, 59.0682,
18.9962


 122.3773,
132.2540, 59.4641

 38.9965, 42.6681,
11.4908


 153.8357,
165.9257, 80.3324

 26.9377, 29.6248,
6.2797


 190.2701,
204.8762, 105.5877

 17.6628, 19.5539,
2.9443


232.0458,
249.4900, 135.6485

 10.8064, 12.0712,
1.0663

279.5283,
300.1514, 170.9335

 6.0031, 6.7922,
0.0000

333.0828,

 2.8876, 3.3325,

357.2449, 211.8612

0.0000

393.0748,
421.1547, 258.8501

■ 1.0946, 1.3077,
0.0000

■ 0.0206, 0.1471,
0.0000

■ 72.9270, 79.2097,
29.2146

■ 72.9270, 79.2097,
29.2146

■ 70.2854, 76.0822,
21.6893

■ 76.0200, 82.5807,
38.9248

■ 68.0558, 73.1730,
16.1676

■ 79.5889, 86.1964,
50.9723

■ 66.2010, 70.4697,
12.4470

■ 83.6628, 90.0719,
65.5013

■ 64.6738, 67.9531,
10.2800

■ 88.2670, 94.2178,
82.6429

■ 63.7445, 66.2692,
9.4315

■ 93.4248, 98.6438,
102.5192

95.0499, 99.9999,
108.9000

Harmonies

Analogous

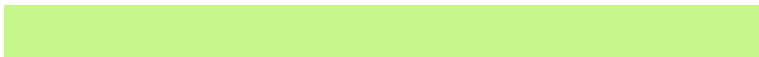
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5124, 79.2097, 32.7948



72.9270, 79.2097, 29.2146



60.6108, 79.2097, 36.5113

Triad

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



72.9270, 79.2097, 29.2146



54.9473, 79.2097, 139.6662



103.0228, 79.2097, 123.9815

Complementary

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



72.9270, 79.2097, 29.2146



35.9209, 31.4628, 98.7871

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.



92.1582, 79.2097, 168.0988



72.9270, 79.2097, 29.2146



64.2558, 79.2097, 178.9812

Square

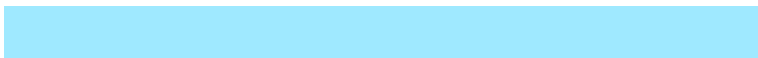
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9270, 79.2097, 29.2146



51.1021, 79.2097, 93.2568



77.6962, 79.2097, 190.7587



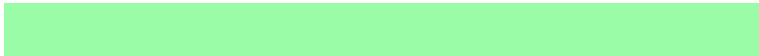
106.1025, 79.2097, 79.5954

Rectangle

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



72.9270, 79.2097, 29.2146



54.9563, 79.2097, 48.5184



77.6962, 79.2097, 190.7587



100.0981, 79.2097, 139.7288

Sweetspot

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



72.9289, 79.2134, 29.2162



86.8006, 92.9201, 77.1128



53.2233, 36.8003, 31.9027



18.3739, 19.7050, 15.7395



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.



72.9289, 79.2134, 29.2162



70.0303, 75.7637, 21.0123



67.0281, 87.2475, 31.0780



19.2585, 20.4851, 19.0833



33.4108, 34.8329, 4.9625



3.3238, 3.5329, 0.5067

Inverse Universe

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



35.9209, 31.4628, 98.7871



29.4050, 23.4076, 97.5761



39.3645, 28.1791, 97.9718



17.2750, 17.9216, 22.7987



10.0446, 4.9988, 49.8700



1.0474, 0.6255, 4.8788

Previews

White Background



This preview shows how the XYZ color 72.9270, 79.2097, 29.2146 looks on a white background.

Color Contrast Check

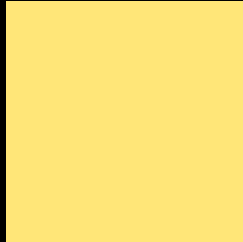
Large Text (above 18pt) WCAG AA × Fail

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 72.9270, 79.2097, 29.2146 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 72.9270, 79.2097, 29.2146

Background



This preview shows how black text looks on a background with the XYZ color 72.9270, 79.2097, 29.2146.



This preview shows how white text looks on a background with the XYZ color 72.9270, 79.2097,

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

72.9270, 79.2097, 29.2146

Protanopia

72.5600, 79.0205, 29.1975

Deuteranopia

77.5692, 78.8720, 60.4257



Tritanopia

81.8044, 78.8561, 88.0000

Trichromacy



Original Color

72.9270, 79.2097, 29.2146

Protanomaly

72.5600, 79.0205, 29.1975



Deuteranomaly

75.5006, 78.9148, 46.8501



Tritanomaly

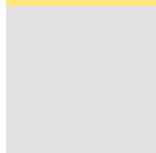
77.4101, 78.3771, 60.9175

Monochromacy



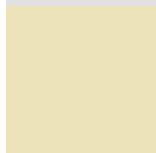
Original Color

72.9270, 79.2097, 29.2146



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

71.0308, 76.3589, 58.0087

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9270, 79.2097, 29.2146 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, 230, 120)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 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, 230, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 120) }
```

Border

The CSS property to change the border of an element to XYZ 72.9270, 79.2097, 29.2146 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, 230, 120) }
```


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

```
.border{ border-color:rgb(255, 230, 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, 230, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 120);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9270, 79.2097, 29.2146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 120) }
```

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

```
.background{ background-color: rgb(255,  
230, 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](#).

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