

Converting Colors

XYZ(99.9220, 93.8163, 27.6217)

Have a look what the booklet for
XYZ(99.9220, 93.8163, 27.6217)
contains.

XYZ(72.9111, 80.0990, 26.3697)	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(72.9111, 80.0990,
26.3697)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE86E
RGB	255, 232, 110
RGB Percent	100%, 91%, 43%
CMY	0.0000, 0.0902, 0.5686
CMYK	0.00, 0.09, 0.57, 0.00
HSL	50°, 100%, 72%
HSV	50°, 57%, 100%
XYZ	72.9111, 80.0990, 26.3697
YIQ	224.9690, 52.8700, -33.0660

Conversions

Conversions Part 2

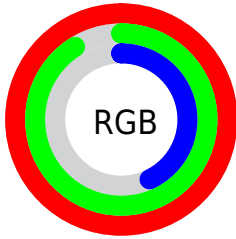
Format	Color
R_{YB}	137, 255, 110
Decimal	16771182
CIE _{Lab}	91.73, -6.64, 61.07
CIE _{LCh}	92, 61.435, 96.207
Yxy	80.0990, 0.4065, 0.4465
Android (android.graphics.Color)	4294961262 (0xFFFFE86E)
YUV	224.9690, -56.6797, 26.3372
Hunter-Lab	89.4980, -11.2035, 45.1794

Details

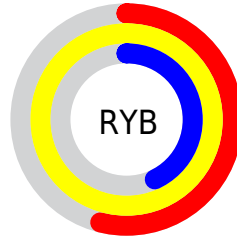
The XYZ color **72.9111, 80.0990, 26.3697** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.8678, 27.3093, 98.1463**, and the grayscale version is **71.9156, 75.6608, 82.3946**.

A 20% lighter version of the original color is **83.7915, 95.4966, 49.6137**, and **38.9416, 43.3319, 10.0528** is the 20% darker color. If you saturate the color by 10%, you get **70.5931, 77.3744, 19.7054**, and if you desaturate by 10%, it is **75.6585, 83.0433, 35.1493**.

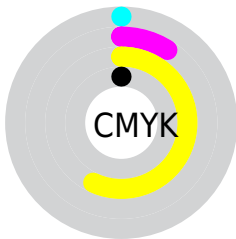
Distribution



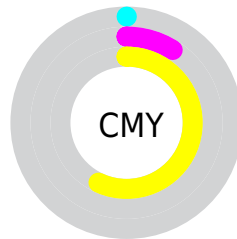
- Red (100%)
- Green (91%)
- Blue (43%)



- Red (54%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (9%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.9111, 80.0990, 26.3697 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 72.9111, 80.0990, 26.3697 by changing the saturation by 10% instead.


 72.9111, 80.0990,
26.3697

 72.9111, 80.0990,
26.3697


459.8152,
495.2664, 298.2552


 54.1914, 59.7998,
16.8722


 122.3548,
133.5049, 54.8622

 38.9860, 43.2573,
9.9824


 153.8095,
167.3804, 74.6942

 26.9295, 30.0871,
5.2818


 190.2399,
206.5502, 98.8081

 17.6566, 19.9047,
2.3519

232.0114,
251.3986, 127.6224

 10.8019, 12.3258,
0.7601

279.4894,
302.3100, 161.5558

 6.0001, 6.9659,
0.0000

333.0391,

 2.8858, 3.4408,

359.6689, 201.0267

0.0000

393.0259,
423.8595, 246.4537

■ 1.0937, 1.3660,
0.0000

■ 0.0198, 0.1914,
0.0000

■ 72.9111, 80.0990,
26.3697

■ 72.9111, 80.0990,
26.3697

■ 70.5931, 77.3744,
19.7054

■ 75.6585, 83.0433,
35.1493

■ 68.6633, 74.8437,
14.9655

■ 78.8609, 86.2088,
46.2034

■ 67.0820, 72.4937,
11.9332

■ 82.5485, 89.6108,
59.6813

■ 65.7965, 70.3031,
10.3318

■ 86.7471, 93.2599,
75.7185

■ 65.4291, 69.6384,
9.9931

■ 91.4807, 97.1661,
94.4403

95.0498, 99.9999,
108.9000

Harmonies

Analogous

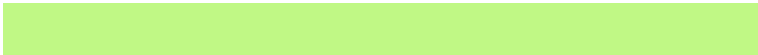
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.9847, 80.0990, 29.5764



72.9111, 80.0990, 26.3697



59.6408, 80.0990, 34.3639

Triad

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



72.9111, 80.0990, 26.3697



54.2599, 80.0990, 148.9722



107.2632, 80.0990, 126.9936

Complementary

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



72.9111, 80.0990, 26.3697



32.8678, 27.3093, 98.1463

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.



95.4126, 80.0990, 177.3369



72.9111, 80.0990, 26.3697



64.5801, 80.0990, 192.7823

Square

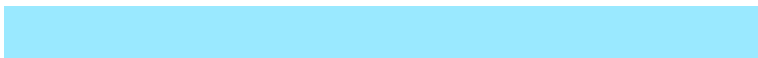
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.9111, 80.0990, 26.3697



49.8693, 80.0990, 96.9095



79.4458, 80.0990, 204.6375



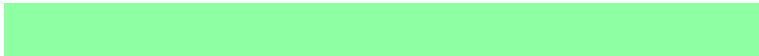
110.2964, 80.0990, 78.1881

Rectangle

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



72.9111, 80.0990, 26.3697



53.6794, 80.0990, 47.3927



79.4458, 80.0990, 204.6375



104.1063, 80.0990, 144.7455

Sweetspot

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



72.9130, 80.1028, 26.3713



86.6856, 93.2080, 75.4782



51.1311, 34.1385, 26.5108



18.3650, 19.7892, 15.4221



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.



72.9130, 80.1028, 26.3713



70.3547, 77.0768, 19.0723



64.2139, 85.8631, 27.9417



19.3015, 20.5712, 19.0977



34.2801, 36.5714, 5.2522



3.4006, 3.6866, 0.5324

Inverse Universe

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



32.8678, 27.3093, 98.1463



26.9740, 19.9540, 97.0376



37.7929, 25.6758, 97.5714



17.2356, 17.8428, 22.7855



9.9041, 4.7178, 49.8232



1.0280, 0.5868, 4.8723

Previews

White Background



This preview shows how the XYZ color 72.9111, 80.0990, 26.3697 looks on a white background.

Color Contrast Check

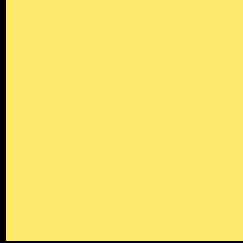
Large Text (above 18pt) WCAG AA × Fail

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 72.9111, 80.0990, 26.3697 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 72.9111, 80.0990, 26.3697

Background



This preview shows how black text looks on a background with the XYZ color 72.9111, 80.0990, 26.3697.

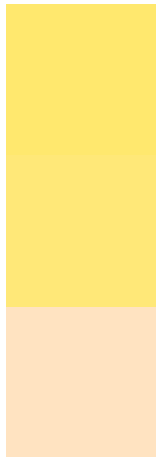


This preview shows how white text looks on a background with the XYZ color 72.9111, 80.0990,

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

72.9111, 80.0990, 26.3697

Protanopia

73.4868, 80.3293, 29.4012

Deuteranopia

78.3347, 80.0484, 61.7743



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy

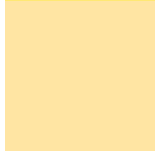


Original Color

72.9111, 80.0990, 26.3697

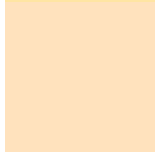
Protanomaly

73.2490, 80.2342, 28.1491



Deuteranomaly

75.8702, 79.9430, 46.0821



Tritanomaly

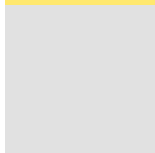
77.6217, 79.3268, 59.3646

Monochromacy



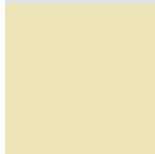
Original Color

72.9111, 80.0990, 26.3697



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

70.8827, 76.7386, 55.8759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9111, 80.0990, 26.3697 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, 232, 110)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 110)  
}
```

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, 232, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 110) }
```

Border

The CSS property to change the border of an element to XYZ 72.9111, 80.0990, 26.3697 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, 232, 110) }
```


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

```
.border{ border-color:rgb(255, 232, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 110);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9111, 80.0990, 26.3697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 110) }
```

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

```
.background{ background-color: rgb(255,  
232, 110) }
```

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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