

Converting Colors

XYZ(72.0237, 85.2714, 46.5557)

Have a look what the booklet for
XYZ(72.0237, 85.2714, 46.5557)
contains.

XYZ(72.0219, 85.3077, 46.3883)	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(72.0219, 85.3077,
46.3883)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F6A1
RGB	230, 246, 161
RGB Percent	90%, 96%, 63%
CMY	0.0980, 0.0353, 0.3686
CMYK	0.07, 0.00, 0.35, 0.04
HSL	71°, 83%, 80%
HSV	71°, 35%, 96%
XYZ	72.0219, 85.3077, 46.3883
YIQ	231.5260, 17.7490, -29.8270

Conversions

Conversions Part 2

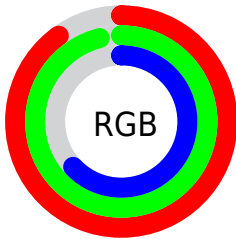
Format	Color
RYB	161, 246, 177
Decimal	15136417
CIELab	94.02, -18.37, 39.19
CIELCh	94, 43.280, 115.109
Yxy	85.3077, 0.3535, 0.4188
Android (android.graphics.Color)	4293326497 (0xFFE6F6A1)
YUV	231.5260, -34.7693, -1.3383
Hunter-Lab	92.3622, -22.4436, 34.8755

Details

The XYZ color **72.0219, 85.3077, 46.3883** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **47.5142, 41.4929, 92.6983**, and the grayscale version is **76.5915, 80.5803, 87.7519**.

A 20% lighter version of the original color is **89.5244, 97.7898, 79.8025**, and **38.3538, 46.7939, 21.1980** is the 20% darker color. If you saturate the color by 10%, you get **68.5964, 83.7710, 35.9966**, and if you desaturate by 10%, it is **75.9181, 87.0432, 59.0332**.

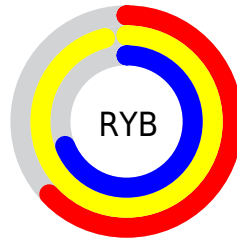
Distribution



Red (90%)

Green (96%)

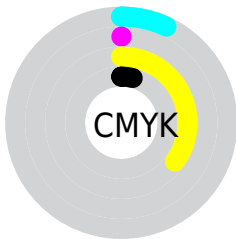
Blue (63%)



Red (63%)

Yellow (96%)

Blue (69%)

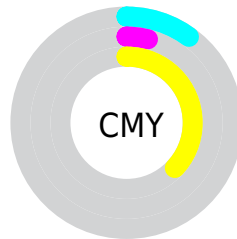


Cyan (7%)

Magenta (0%)

Yellow (35%)

Black (4%)



Cyan (10%)

Magenta (4%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.0219, 85.3077, 46.3883 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 72.0219, 85.3077, 46.3883 by changing the saturation by 10% instead.


 72.0219, 85.3077,
46.3883


 72.0219, 85.3077,
46.3883


456.7743,
512.6457, 388.6904

 53.4621, 64.0957,
32.2015


 121.0983,
140.8030, 86.1402

 38.4007, 46.7282,
21.2493


 152.3456,
175.8550, 112.5424

 26.4725, 32.8208,
13.1134

188.5528,
216.2892, 143.8534

 17.3120, 21.9892,
7.3750

230.0852,
262.4899, 180.4919

 10.5539, 13.8490,
3.6157

277.3082,
314.8415, 222.8762

 5.8328, 8.0157,
1.4170

330.5871,

 2.7833, 4.1050,

373.7284, 271.4251

0.1549

390.2874,
439.5350, 326.5570

■ 1.0403, 1.7325,
0.0000

■ 0.0000, 0.4445,
0.0000

■ 72.0219, 85.3077,
46.3883

■ 72.0219, 85.3077,
46.3883

■ 68.5964, 83.7710,
35.9966

■ 75.9181, 87.0432,
59.0332

■ 65.6096, 82.4113,
27.7203

■ 80.3019, 88.9753,
74.0476

■ 63.0356, 81.2213,
21.4148

■ 85.1971, 91.1167,
91.5461

■ 60.8429, 80.1882,
16.9154

■ 89.9068, 93.1885,
107.8563

■ 58.9947, 79.2974,
14.0303

■ 91.5743, 94.0481,
107.9344

■ 57.4460, 78.5307,
12.5246

■ 92.2476, 94.3952,
107.9659

■ 56.6927, 78.1511,
12.0966

Harmonies

Analogous

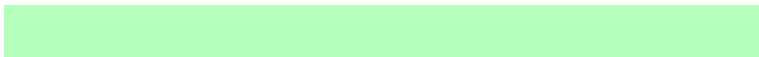
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9901, 85.3077, 42.8463



72.0219, 85.3077, 46.3883



64.2016, 85.3077, 61.0561

Triad

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



72.0219, 85.3077, 46.3883



69.0346, 85.3077, 155.4070



105.2749, 85.3077, 98.4130

Complementary

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



72.0219, 85.3077, 46.3883



47.5142, 41.4929, 92.6983

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.



100.6896, 85.3077, 134.2090



72.0219, 85.3077, 46.3883



79.2042, 85.3077, 171.7289

Square

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



72.0219, 85.3077, 46.3883



62.5951, 85.3077, 122.5622



90.8726, 85.3077, 163.1733



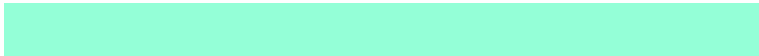
102.8925, 85.3077, 68.4335

Rectangle

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



72.0219, 85.3077, 46.3883



61.4640, 85.3077, 77.4855



90.8726, 85.3077, 163.1733



104.4857, 85.3077, 110.2019

Sweetspot

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



72.0240, 85.3115, 46.3901



89.4683, 97.5658, 88.6119



60.0820, 53.4484, 40.8693



18.9918, 20.8139, 18.4042



0.0000, 0.0000, 0.0000



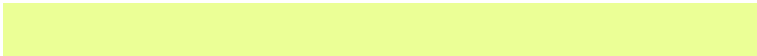
20.3446, 21.4041, 23.3091

Same Dimension

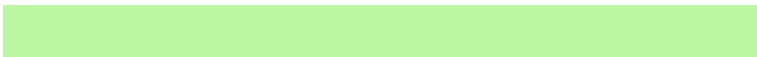
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.0240, 85.3115, 46.3901



75.6660, 91.4521, 42.7085



60.1103, 79.1697, 45.8326



17.5909, 19.1467, 17.5661



30.3714, 41.7698, 6.4616



2.7465, 3.7109, 0.5715

Inverse Universe

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



47.5142, 41.4929, 92.6983



45.6353, 37.7378, 99.4866



58.6208, 47.2186, 93.2180



15.8723, 16.0768, 20.8091



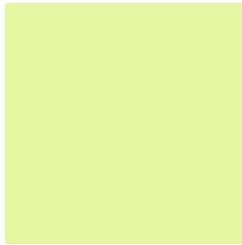
9.5738, 3.9098, 46.7881



0.9190, 0.3836, 4.1158

Previews

White Background



This preview shows how the XYZ color 72.0219, 85.3077, 46.3883 looks on a white background.

Color Contrast Check

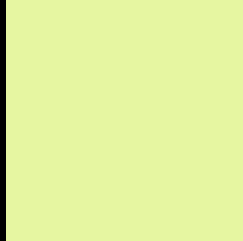
Large Text (above 18pt) WCAG AA × Fail

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 72.0219, 85.3077, 46.3883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

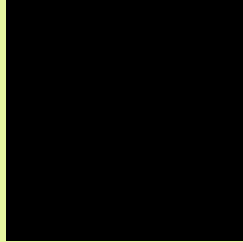
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.0219, 85.3077, 46.3883

Background



This preview shows how black text looks on a background with the XYZ color 72.0219, 85.3077, 46.3883.

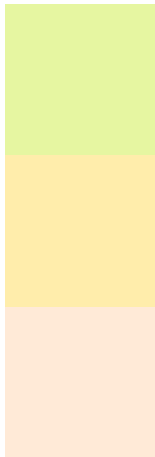


This preview shows how white text looks on a background with the XYZ color 72.0219, 85.3077,

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

72.0219, 85.3077, 46.3883

Protanopia

78.8749, 84.7686, 50.7329

Deuteranopia

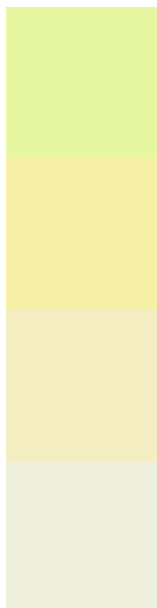
82.9286, 85.0119, 76.3281



Tritanopia

84.0559, 85.3858, 104.9794

Trichromacy



Original Color

72.0219, 85.3077, 46.3883

Protanomaly

76.1412, 84.7030, 48.8955

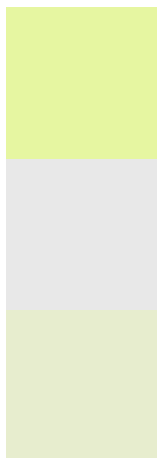
Deuteranomaly

78.4309, 84.6820, 63.8413

Tritanomaly

79.0447, 85.0775, 79.9656

Monochromacy



Original Color

72.0219, 85.3077, 46.3883

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

74.3798, 82.0135, 70.3025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.0219, 85.3077, 46.3883 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(230, 246, 161)` looks like.

```
.text, #text, p{  
    color:rgb(230, 246, 161)  
}
```

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(230, 246, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 246, 161) }
```

Border

The CSS property to change the border of an element to XYZ 72.0219, 85.3077, 46.3883 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(230, 246, 161) }
```


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

```
.border{ border-color:rgb(230, 246, 161) }
```

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

Here you see how a box with a 4 pixel rgb(230, 246, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 246, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 246, 161);  
box-shadow:4px 4px 4px 4px rgb(230, 246,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 72.0219, 85.3077, 46.3883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 246, 161) }
```

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

```
.background{ background-color: rgb(230,  
246, 161) }
```

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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