

Converting Colors

XYZ(67.1321, 71.0318, 46.4467)

Have a look what the booklet for
XYZ(67.1321, 71.0318, 46.4467)
contains.

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Color

**XYZ(67.2142, 71.0731,
46.2523)**

Conversions

Conversions Part 1

Format	Color
Hex	EEDAA6
RGB	238, 218, 166
RGB Percent	93%, 85%, 65%
CMY	0.0667, 0.1451, 0.3490
CMYK	0.00, 0.08, 0.30, 0.07
HSL	43°, 68%, 79%
HSV	43°, 30%, 93%
XYZ	67.2142, 71.0731, 46.2523
YIQ	218.0520, 28.6120, -11.9320

Conversions

Conversions Part 2

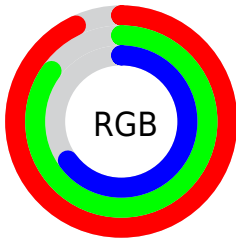
Format	Color
RYB	194, 238, 166
Decimal	15653542
CIELab	87.52, -0.75, 28.14
CIELCh	88, 28.149, 91.520
Yxy	71.0731, 0.3642, 0.3851
Android (android.graphics.Color)	4293843622 (0xFFEEDAA6)
YUV	218.0520, -25.6616, 17.4944
Hunter-Lab	84.3049, -5.2198, 26.4850

Details

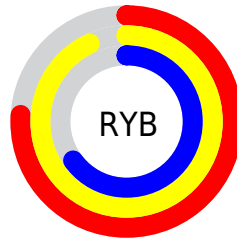
The XYZ color **67.2142, 71.0731, 46.2523** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **48.7170, 49.3964, 87.8558**, and the grayscale version is **66.8355, 70.3162, 76.5743**.

A 20% lighter version of the original color is **90.0511, 98.0005, 82.5764**, and **35.1905, 37.2330, 21.2515** is the 20% darker color. If you saturate the color by 10%, you get **63.5505, 66.9221, 35.2385**, and if you desaturate by 10%, it is **71.3539, 75.5289, 59.4196**.

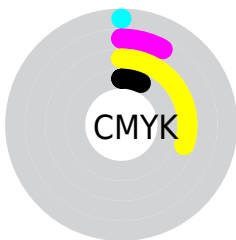
Distribution



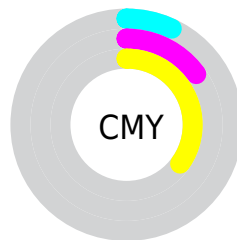
- Red (93%)
- Green (85%)
- Blue (65%)



- Red (76%)
- Yellow (93%)
- Blue (65%)



- Cyan (0%)
- Magenta (8%)
- Yellow (30%)
- Black (7%)



- Cyan (7%)
- Magenta (15%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 67.2142, 71.0731, 46.2523 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 67.2142, 71.0731, 46.2523 by changing the saturation by 10% instead.

67.2142, 71.0731,
46.2523

67.2142, 71.0731,
46.2523

440.1273,
464.3089, 388.1291

49.5301, 52.4019,
32.0949

114.2754,
120.7378, 85.9347

35.2564, 37.3255,
21.1685

144.3831,
152.5001, 112.2968

24.0279, 25.4596,
13.0548

179.3628,
189.3948, 143.5641

15.4792, 16.4198,
7.3351

219.5798,
231.8063, 180.1553

9.2449, 9.8217,
3.5910

265.3993,
280.1191, 222.4888

4.9596, 5.2809,
1.4037

317.1869,

2.2581, 2.4130,

334.7176, 270.9833

0.1446

375.3078,
395.9860, 326.0572

■ 0.7731, 0.8326,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 67.2142, 71.0731,
46.2523

■ 67.2142, 71.0731,
46.2523

■ 63.5505, 66.9221,
35.2385

■ 71.3539, 75.5289,
59.4196

■ 60.3344, 63.0557,
26.2560

■ 75.9856, 80.2896,
74.8447

■ 57.5422, 59.4658,
19.1771

■ 81.1311, 85.3676,
92.6306

■ 55.1460, 56.1397,
13.8575

■ 85.7942, 90.3657,
107.5282

■ 53.1135, 53.0633,
10.1324

■ 87.8236, 94.4245,
108.2047

■ 51.4068, 50.2201,
7.8053

■ 89.0699, 96.9172,
108.6201

■ 49.9947, 47.6467,
6.5617

Harmonies

Analogous

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



73.8344, 71.0731, 49.4584



67.2142, 71.0731, 46.2523



61.0870, 71.0731, 50.1827

Triad

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



67.2142, 71.0731, 46.2523



57.2301, 71.0731, 98.1502



79.4250, 71.0731, 96.1918

Complementary

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



67.2142, 71.0731, 46.2523



48.7170, 49.3964, 87.8558

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.



74.4596, 71.0731, 112.9828



67.2142, 71.0731, 46.2523



61.6381, 71.0731, 114.2377

Square

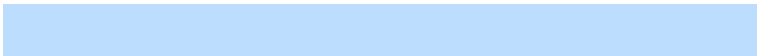
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



67.2142, 71.0731, 46.2523



55.5617, 71.0731, 78.3621



67.8926, 71.0731, 120.0616



81.1559, 71.0731, 76.4191

Rectangle

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



67.2142, 71.0731, 46.2523



58.0308, 71.0731, 56.7664



67.8926, 71.0731, 120.0616



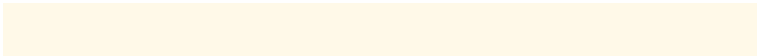
78.0635, 71.0731, 102.4782

Sweetspot

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



67.2160, 71.0763, 46.2538



89.5730, 94.6099, 89.9217



57.8022, 49.0126, 53.0923



18.9928, 20.0700, 18.6362



0.0000, 0.0000, 0.0000



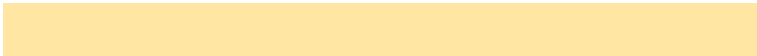
20.3446, 21.4041, 23.3091

Same Dimension

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



67.2160, 71.0763, 46.2538



76.0286, 80.2310, 46.2234



67.7047, 79.4953, 47.8530



16.7302, 17.6736, 16.6793



28.0062, 26.8105, 3.6989



2.4129, 2.3966, 0.3354

Inverse Universe

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



48.7170, 49.3964, 87.8558



51.3269, 51.2910, 101.8027



48.2666, 43.3428, 86.7111



15.2546, 15.9432, 19.9950



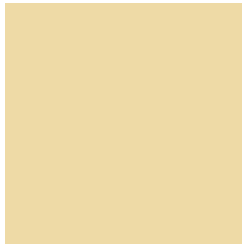
9.7931, 5.8104, 45.7332



0.8954, 0.6447, 3.8315

Previews

White Background



This preview shows how the XYZ color 67.2142, 71.0731, 46.2523 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 67.2142, 71.0731, 46.2523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

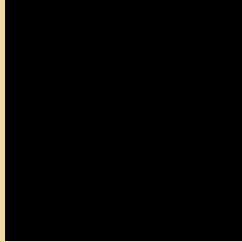
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 67.2142, 71.0731, 46.2523

Background



This preview shows how black text looks on a background with the XYZ color 67.2142, 71.0731, 46.2523.



This preview shows how white text looks on a background with the XYZ color 67.2142, 71.0731,

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

67.2142, 71.0731, 46.2523

Protanopia

66.5675, 71.1152, 46.7773

Deuteranopia

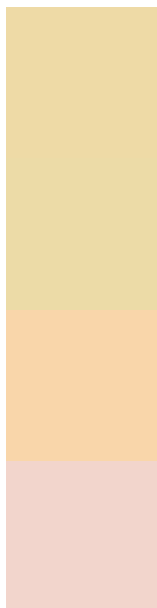
71.9807, 70.8271, 48.9069



Tritanopia

74.4302, 70.9967, 81.7323

Trichromacy



Original Color

67.2142, 71.0731, 46.2523

Protanomaly

66.8986, 71.2859, 46.7928

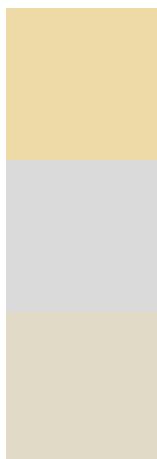
Deuteranomaly

70.3692, 71.1352, 48.0518

Tritanomaly

71.3113, 70.8254, 67.0389

Monochromacy



Original Color

67.2142, 71.0731, 46.2523

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.4315, 70.2739, 64.0957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 67.2142, 71.0731, 46.2523 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(238, 218, 166) looks like.

```
.text, #text, p{  
    color:rgb(238, 218, 166)  
}
```

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(238, 218, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 218, 166) }
```

Border

The CSS property to change the border of an element to XYZ 67.2142, 71.0731, 46.2523 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(238, 218, 166) }
```


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

```
.border{ border-color:rgb(238, 218, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 218, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 218, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 218, 166);  
box-shadow:4px 4px 4px 4px rgb(238, 218,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 67.2142, 71.0731, 46.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 218, 166) }
```

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

```
.background{ background-color: rgb(238,  
218, 166) }
```

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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