

Converting Colors

XYZ(72.3929, 78.5695, 46.3297)

Have a look what the booklet for
XYZ(72.3929, 78.5695, 46.3297)
contains.

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Color

**XYZ(72.3059, 78.5071,
46.4644)**

Conversions

Conversions Part 1

Format	Color
Hex	F4E6A4
RGB	244, 230, 164
RGB Percent	96%, 90%, 64%
CMY	0.0431, 0.0980, 0.3569
CMYK	0.00, 0.06, 0.33, 0.04
HSL	50°, 78%, 80%
HSV	50°, 33%, 96%
XYZ	72.3059, 78.5071, 46.4644
YIQ	226.6620, 29.5300, -17.5580

Conversions

Conversions Part 2

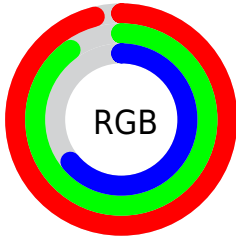
Format	Color
RYB	181, 244, 164
Decimal	16049828
CIELab	91.01, -4.82, 33.93
CIElCh	91, 34.267, 98.078
Yxy	78.5071, 0.3665, 0.3980
Android (android.graphics.Color)	4294239908 (0xFFFF4E6A4)
YUV	226.6620, -30.8924, 15.2054
Hunter-Lab	88.6042, -9.3916, 30.9311

Details

The XYZ color **72.3059, 78.5071, 46.4644** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **47.5591, 46.2636, 92.0112**, and the grayscale version is **72.9721, 76.7723, 83.6050**.

A 20% lighter version of the original color is **89.7862, 97.8945, 81.1811**, and **38.6927, 42.3724, 21.1783** is the 20% darker color. If you saturate the color by 10%, you get **69.1378, 75.3652, 35.5604**, and if you desaturate by 10%, it is **75.9298, 81.8834, 59.6077**.

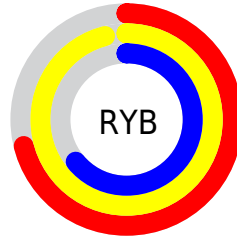
Distribution



Red (96%)

Green (90%)

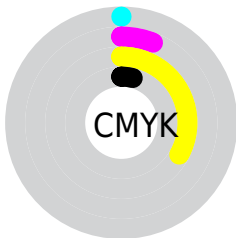
Blue (64%)



Red (71%)

Yellow (96%)

Blue (64%)

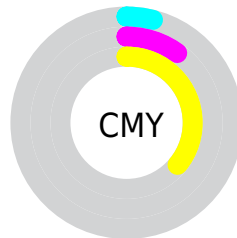


Cyan (0%)

Magenta (6%)

Yellow (33%)

Black (4%)



Cyan (4%)


Magenta (10%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3059, 78.5071, 46.4644 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 72.3059, 78.5071, 46.4644 by changing the saturation by 10% instead.


 72.3059, 78.5071,
46.4644


 72.3059, 78.5071,
46.4644


457.7468,
489.8873, 389.0042

 53.6950, 58.4906,
32.2611


 121.4998,
131.2647, 86.2552

 38.5875, 42.2032,
21.2946


 152.8134,
164.7747, 112.6798

 26.6183, 29.2605,
13.1462


189.0921,
203.5513, 144.0152

 17.4219, 19.2779,
7.3974

230.7010,
247.9789, 180.6801

 10.6329, 11.8713,
3.6296

278.0055,
298.4419, 223.0929

 5.8860, 6.6561,
1.4244

331.3711,

 2.8159, 3.2480,

355.3247, 271.6721

0.1607

391.1631,
419.0117, 326.8364

■ 1.0572, 1.2625,
0.0000

■ 0.0000, 0.1119,
0.0000

■ 72.3059, 78.5071,
46.4644

■ 72.3059, 78.5071,
46.4644

■ 69.1378, 75.3652,
35.5604

■ 75.9298, 81.8834,
59.6077

■ 66.3951, 72.4370,
26.7630

■ 80.0262, 85.4928,
75.1032

■ 64.0529, 69.7148,
19.9332

■ 84.6180, 89.3475,
93.0617

■ 62.0810, 67.1862,
14.9129

■ 88.6433, 93.0231,
107.8910

■ 60.4446, 64.8371,
11.5197

■ 89.9641, 95.6648,
108.3313

■ 59.1016, 62.6502,
9.5331

■ 91.1183, 97.9731,
108.7160

■ 58.2691, 61.1548,
8.7329

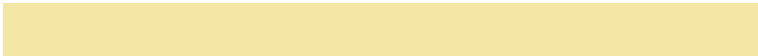
Harmonies

Analogous

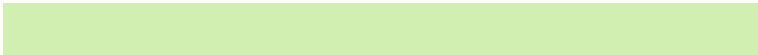
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0013, 78.5071, 48.4716



72.3059, 78.5071, 46.4644



64.8246, 78.5071, 53.2031

Triad

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



72.3059, 78.5071, 46.4644



62.2781, 78.5071, 118.3488



91.1346, 78.5071, 104.5241

Complementary

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



72.3059, 78.5071, 46.4644



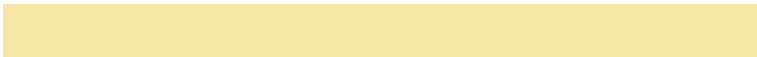
47.5591, 46.2636, 92.0112

Split Complementary

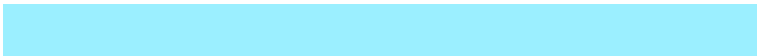
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.3526, 78.5071, 128.7214



72.3059, 78.5071, 46.4644



68.5804, 78.5071, 137.7165

Square

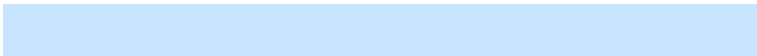
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3059, 78.5071, 46.4644



59.3344, 78.5071, 92.3503



76.9802, 78.5071, 141.8402



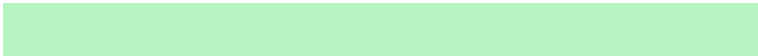
92.3251, 78.5071, 78.9609

Rectangle

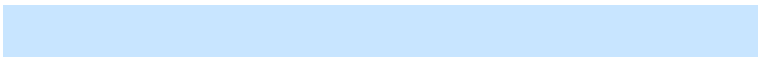
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3059, 78.5071, 46.4644



61.3744, 78.5071, 62.6889



76.9802, 78.5071, 141.8402



89.6431, 78.5071, 113.2194

Sweetspot

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



72.3079, 78.5107, 46.4660



89.8062, 95.6520, 88.2247



58.6873, 49.0261, 48.8421



19.0741, 20.3474, 18.3098



0.0000, 0.0000, 0.0000



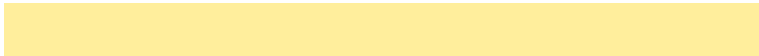
20.3446, 21.4041, 23.3091

Same Dimension

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



72.3079, 78.5107, 46.4660



77.6619, 84.5635, 43.4822



68.1652, 82.3904, 47.4332



17.6536, 18.7914, 17.4942



31.7738, 33.4331, 4.7786



2.8559, 3.0651, 0.4411

Inverse Universe

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



47.5591, 46.2636, 92.0112



46.6067, 44.1097, 100.6653



50.6744, 43.9451, 91.3995



15.8155, 16.3953, 20.8736



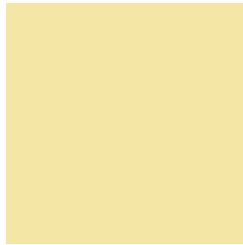
9.4107, 4.6152, 46.9328



0.8917, 0.5349, 4.1465

Previews

White Background



This preview shows how the XYZ color 72.3059, 78.5071, 46.4644 looks on a white background.

Color Contrast Check

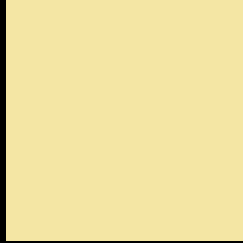
Large Text (above 18pt) WCAG AA × Fail

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 72.3059, 78.5071, 46.4644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

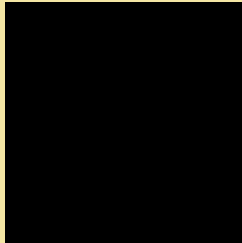
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

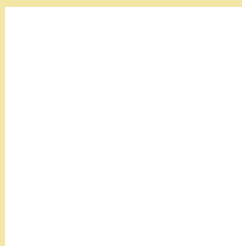
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.3059, 78.5071, 46.4644

Background



This preview shows how black text looks on a background with the XYZ color 72.3059, 78.5071, 46.4644.



This preview shows how white text looks on a background with the XYZ color 72.3059, 78.5071,

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

72.3059, 78.5071, 46.4644

Protanopia

73.0779, 78.4931, 46.4210

Deuteranopia

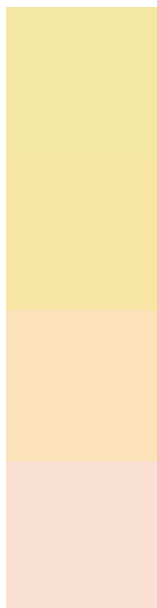
77.8595, 78.5568, 63.2839



Tritanopia

81.5338, 78.2421, 91.6939

Trichromacy



Original Color

72.3059, 78.5071, 46.4644

Protanomaly

72.7262, 78.3118, 46.4046

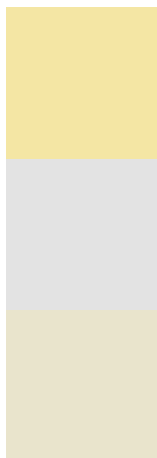
Deuteranomaly

75.6317, 78.3626, 56.4867

Tritanomaly

77.8379, 78.3385, 72.6464

Monochromacy



Original Color

72.3059, 78.5071, 46.4644

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

72.2468, 77.1701, 68.2142

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3059, 78.5071, 46.4644 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(244, 230, 164)` looks like.

```
.text, #text, p{  
    color:rgb(244, 230, 164)  
}
```

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(244, 230, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 230, 164) }
```

Border

The CSS property to change the border of an element to XYZ 72.3059, 78.5071, 46.4644 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(244, 230, 164) }
```


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

```
.border{ border-color:rgb(244, 230, 164) }
```

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

Here you see how a box with a 4 pixel rgb(244, 230, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 230, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 230, 164);  
box-shadow:4px 4px 4px 4px rgb(244, 230,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3059, 78.5071, 46.4644 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 230, 164) }
```

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

```
.background{ background-color: rgb(244,  
230, 164) }
```

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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