

Converting Colors

XYZ(72.2305, 82.8684, 49.0250)

Have a look what the booklet for
XYZ(72.2305, 82.8684, 49.0250)
contains.

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Color

**XYZ(72.1597, 82.6398,
49.1936)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFOA8
RGB	234, 240, 168
RGB Percent	92%, 94%, 66%
CMY	0.0824, 0.0588, 0.3412
CMYK	0.03, 0.00, 0.30, 0.06
HSL	65°, 71%, 80%
HSV	65°, 30%, 94%
XYZ	72.1597, 82.6398, 49.1936
YIQ	229.9980, 19.5360, -23.6640

Conversions

Conversions Part 2

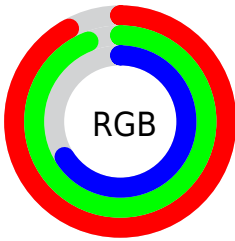
Format	Color
RYB	168, 240, 174
Decimal	15397032
CIELab	92.86, -13.08, 34.22
CIELCh	93, 36.632, 110.918
Yxy	82.6398, 0.3537, 0.4051
Android (android.graphics.Color)	4293587112 (0xFFEAF0A8)
YUV	229.9980, -30.5650, 3.5098
Hunter-Lab	90.9064, -17.3966, 31.5500

Details

The XYZ color **72.1597, 82.6398, 49.1936** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.1895, 43.2973, 88.3129**, and the grayscale version is **75.4231, 79.3510, 86.4132**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **38.3665, 44.8659, 22.8575** is the 20% darker color. If you saturate the color by 10%, you get **69.4743, 81.4930, 38.4543**, and if you desaturate by 10%, it is **75.2694, 83.9629, 62.1102**.

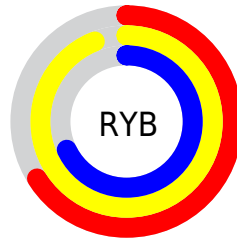
Distribution



Red (92%)

Green (94%)

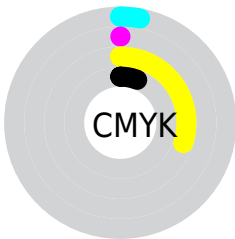
Blue (66%)



Red (66%)

Yellow (94%)

Blue (68%)

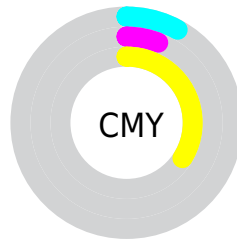


Cyan (3%)

Magenta (0%)

Yellow (30%)

Black (6%)



Cyan (8%)

Magenta (6%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.1597, 82.6398, 49.1936 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 72.1597, 82.6398, 49.1936 by changing the saturation by 10% instead.

72.1597, 82.6398,
49.1936

72.1597, 82.6398,
49.1936

457.2463,
503.7853, 400.1483

53.5751, 61.8930,
34.4064

121.2931,
137.0709, 90.3629

38.4914, 44.9463,
22.9261

152.5726,
171.5240, 117.5821

26.5432, 31.4151,
14.3342

188.8145,
211.3146, 149.7823

17.3653, 20.9152,
8.2120

230.3840,
256.8272, 187.3821

10.5922, 13.0620,
4.1412

277.6466,
308.4462, 230.8001

5.8586, 7.4713,
1.7031

330.9676,

2.7991, 3.7585,

366.5560, 280.4548

0.3629

390.7124,
431.5409, 336.7647

■ 1.0484, 1.5394,
0.0000

■ 0.0000, 0.3162,
0.0000

■ 72.1597, 82.6398,
49.1936

■ 72.1597, 82.6398,
49.1936

■ 69.4743, 81.4930,
38.4543

■ 75.2694, 83.9629,
62.1102

■ 67.1842, 80.5023,
29.7671


■ 78.8183, 85.4597,
77.3093

■ 65.2665, 79.6614,
23.0027


■ 82.8279, 87.1416,
94.8958


■ 63.6934, 78.9593,
18.0145


■ 85.8325, 88.4224,
107.1511


 62.4331, 78.3830,
14.6351


 86.5235, 88.7786,
107.1834


 61.4477, 77.9176,
12.6650

 87.2219, 89.1387,
107.2161

 60.6733, 77.5375,
11.7684

 87.9280, 89.5027,
107.2492

 88.6417, 89.8706,
107.2826

 89.3629, 90.2424,
107.3163

Harmonies

Analogous

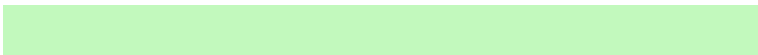
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4863, 82.6398, 47.3372



72.1597, 82.6398, 49.1936



65.1142, 82.6398, 60.6848

Triad

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



72.1597, 82.6398, 49.1936



67.5103, 82.6398, 137.3881



98.1492, 82.6398, 98.5557

Complementary

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



72.1597, 82.6398, 49.1936



47.1895, 43.2973, 88.3129

Split Complementary

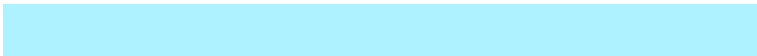
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.7100, 82.6398, 127.4505



72.1597, 82.6398, 49.1936



75.6785, 82.6398, 152.6785

Square

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



72.1597, 82.6398, 49.1936



62.5851, 82.6398, 110.1333



85.2998, 82.6398, 148.7127



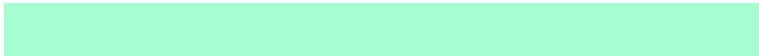
97.0145, 82.6398, 72.4499

Rectangle

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



72.1597, 82.6398, 49.1936



62.4120, 82.6398, 73.8322



85.2998, 82.6398, 148.7127



97.2469, 82.6398, 108.3272

Sweetspot

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



72.1618, 82.6435, 49.1953



90.8718, 98.2478, 90.5554



58.1419, 51.6267, 43.9474



19.3145, 20.9720, 18.7934



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

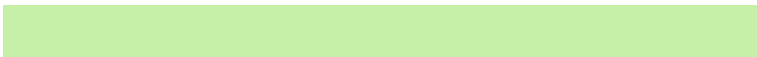
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.1618, 82.6435, 49.1953



80.8677, 94.0081, 48.6276



61.5197, 77.1573, 48.6973



16.9853, 18.3881, 16.8038



33.2670, 42.4713, 6.4444



2.8056, 3.5528, 0.5379

Inverse Universe

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



47.1895, 43.2973, 88.3129



47.9462, 42.1273, 100.2121



56.3118, 48.0000, 88.7398



15.0194, 15.2917, 19.8816



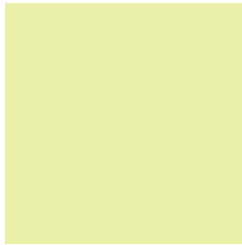
8.8120, 3.5482, 45.3483



0.7748, 0.3167, 3.7745

Previews

White Background



This preview shows how the XYZ color 72.1597, 82.6398, 49.1936 looks on a white background.

Color Contrast Check

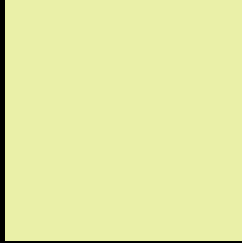
Large Text (above 18pt) WCAG AA × Fail

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 72.1597, 82.6398, 49.1936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

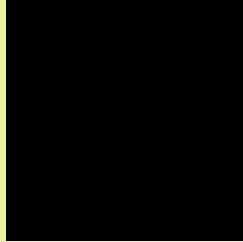
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.1597, 82.6398, 49.1936

Background



This preview shows how black text looks on a background with the XYZ color 72.1597, 82.6398, 49.1936.

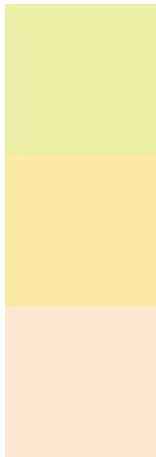


This preview shows how white text looks on a background with the XYZ color 72.1597, 82.6398,

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

72.1597, 82.6398, 49.1936

Protanopia

76.7224, 82.4449, 47.4671

Deuteranopia

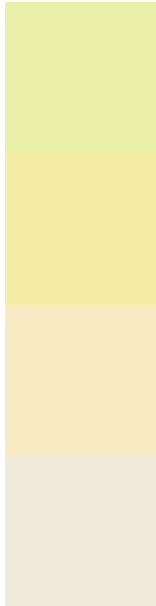
81.0454, 82.4571, 71.9659



Tritanopia

82.5483, 82.6040, 100.4003

Trichromacy



Original Color

72.1597, 82.6398, 49.1936

Protanomaly

74.8844, 82.3369, 48.0222

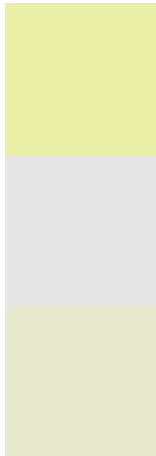
Deuteranomaly

77.5182, 82.5148, 62.8802

Tritanomaly

78.1442, 82.4854, 78.8205

Monochromacy



Original Color

72.1597, 82.6398, 49.1936

Achromatopsia

75.2129, 79.1298, 86.1723

Achromatomaly

73.6403, 80.3396, 70.6573

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1597, 82.6398, 49.1936 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(234, 240, 168)` looks like.

```
.text, #text, p{  
    color:rgb(234, 240, 168)  
}
```

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(234, 240, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 240, 168) }
```

Border

The CSS property to change the border of an element to XYZ 72.1597, 82.6398, 49.1936 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(234, 240, 168) }
```


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

```
.border{ border-color:rgb(234, 240, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 240, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 240, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 240, 168);  
box-shadow:4px 4px 4px 4px rgb(234, 240,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1597, 82.6398, 49.1936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 240, 168) }
```

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

```
.background{ background-color: rgb(234,  
240, 168) }
```

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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