

Converting Colors

XYZ(72.9196, 84.6987, 54.1002)

Have a look what the booklet for
XYZ(72.9196, 84.6987, 54.1002)
contains.

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Color

**XYZ(72.9196, 84.6987,
54.1002)**

Conversions

Conversions Part 1

Format	Color
Hex	E6F4B1
RGB	230, 244, 177
RGB Percent	90%, 96%, 69%
CMY	0.0980, 0.0431, 0.3059
CMYK	0.06, 0.00, 0.27, 0.04
HSL	73°, 75%, 83%
HSV	73°, 27%, 96%
XYZ	72.9196, 84.6987, 54.1002
YIQ	232.1760, 13.1630, -23.8050

Conversions

Conversions Part 2

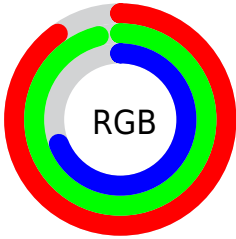
Format	Color
RYB	177, 244, 191
Decimal	15135921
CIELab	93.75, -15.35, 30.82
CIELCh	94, 34.432, 116.472
Yxy	84.6987, 0.3444, 0.4001
Android (android.graphics.Color)	4293326001 (0xFFE6F4B1)
YUV	232.1760, -27.2018, -1.9084
Hunter-Lab	92.0319, -19.6250, 29.5692

Details

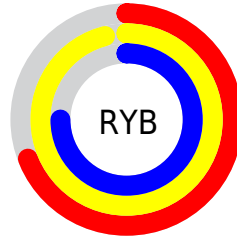
The XYZ color **72.9196, 84.6987, 54.1002** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **53.5405, 49.0546, 92.2393**, and the grayscale version is **77.0259, 81.0372, 88.2495**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **39.0769, 46.4203, 25.9692** is the 20% darker color. If you saturate the color by 10%, you get **69.0896, 82.9832, 42.3408**, and if you desaturate by 10%, it is **77.2368, 86.6203, 68.1558**.

Distribution



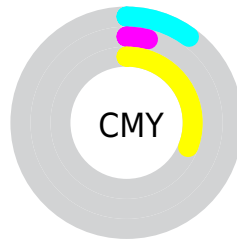
- Red (90%)
- Green (96%)
- Blue (69%)



- Red (69%)
- Yellow (96%)
- Blue (75%)



- Cyan (6%)
- Magenta (0%)
- Yellow (27%)
- Black (4%)





- Cyan (10%)
- Magenta (4%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.9196, 84.6987, 54.1002 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 72.9196, 84.6987, 54.1002 by changing the saturation by 10% instead.


 72.9196, 84.6987,
54.1002

 72.9196, 84.6987,
54.1002


459.8442,
510.6306, 419.6774

 54.1984, 63.5925,
38.2881


 122.3668,
139.9521, 97.6792

 38.9916, 46.3207,
25.9028


153.8235,
174.8681, 126.2832

 26.9339, 32.4989,
16.5258


190.2561,
215.1561, 159.9882

 17.6599, 21.7429,
9.7386

232.0298,
261.2006, 199.2128

 10.8043, 13.6681,
5.1227

279.5102,
313.3859, 244.3754

 6.0017, 7.8902,
2.2594

333.0625,

 2.8868, 4.0248,

372.0963, 295.8947

0.7083

393.0520,
437.7164, 354.1892

■ 1.0942, 1.6874,
0.0000

■ 0.0202, 0.4155,
0.0000

■ 72.9196, 84.6987,
54.1002

■ 72.9196, 84.6987,
54.1002

■ 69.0896, 82.9832,
42.3408

■ 77.2368, 86.6203,
68.1558

■ 65.7166, 81.4532,
32.7500

■ 82.0565, 88.7457,
84.6150

■ 62.7771, 80.1020,
25.1962

■ 87.4013, 91.0867,
103.5853

■ 60.2426, 78.9181,
19.5313

■ 89.9711, 92.3233,
107.6859

■ 58.0807, 77.8887,
15.5872

■ 91.6425, 93.1850,
107.7642

■ 56.2534, 76.9984,
13.1661

■ 54.7110, 76.2273,
12.0078

■ 54.3453, 76.0427,
11.8134

Harmonies

Analogous

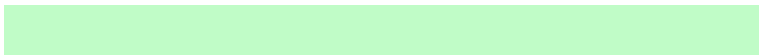
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5902, 84.6987, 50.5490



72.9196, 84.6987, 54.1002



66.7215, 84.6987, 67.1172

Triad

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



72.9196, 84.6987, 54.1002



71.1795, 84.6987, 140.8754



99.3536, 84.6987, 95.3555

Complementary

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



72.9196, 84.6987, 54.1002



53.5405, 49.0546, 92.2393

Split Complementary

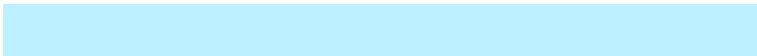
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0638, 84.6987, 122.9171



72.9196, 84.6987, 54.1002



79.4266, 84.6987, 152.1468

Square

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



72.9196, 84.6987, 54.1002



65.7715, 84.6987, 116.5319



88.5960, 84.6987, 145.0248



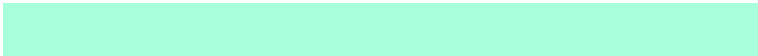
97.2860, 84.6987, 71.5533

Rectangle

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



72.9196, 84.6987, 54.1002



64.5942, 84.6987, 80.9403



88.5960, 84.6987, 145.0248



98.8317, 84.6987, 104.5072

Sweetspot

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



72.9218, 84.7025, 54.1020



90.3862, 97.9553, 92.4380



63.7472, 59.4103, 49.7037



19.1676, 20.8878, 19.1658



0.0000, 0.0000, 0.0000



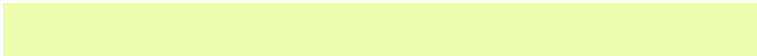
20.3446, 21.4041, 23.3091

Same Dimension

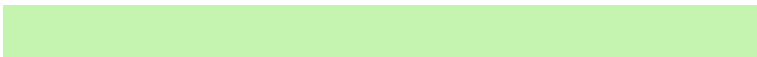
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.9218, 84.7025, 54.1020



78.1586, 92.5298, 52.1938



63.3416, 79.7637, 53.6537



17.5557, 19.1285, 17.5645



29.6661, 41.4062, 6.4286



2.6904, 3.6820, 0.5689

Inverse Universe

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



53.5405, 49.0546, 92.2393



53.4321, 47.0365, 100.8705



62.7636, 53.8093, 92.6710



15.9048, 16.0936, 20.8107



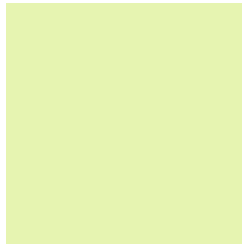
9.7122, 3.9811, 46.7946



0.9356, 0.3922, 4.1166

Previews

White Background



This preview shows how the XYZ color 72.9196, 84.6987, 54.1002 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 72.9196, 84.6987, 54.1002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

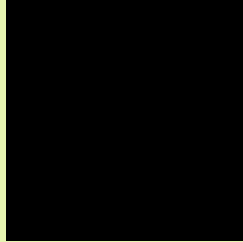
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

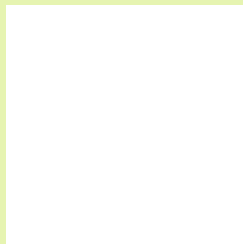
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.9196, 84.6987, 54.1002

Background



This preview shows how black text looks on a background with the XYZ color 72.9196, 84.6987, 54.1002.

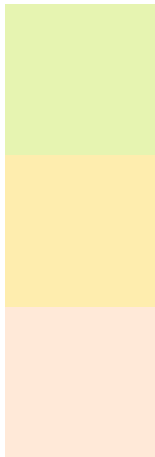


This preview shows how white text looks on a background with the XYZ color 72.9196, 84.6987,

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

72.9196, 84.6987, 54.1002

Protanopia

78.7972, 84.6952, 52.2391

Deuteranopia

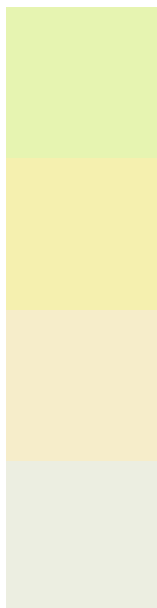
82.7736, 84.4957, 76.9124



Tritanopia

83.0876, 84.4628, 104.8523

Trichromacy



Original Color

72.9196, 84.6987, 54.1002

Protanomaly

76.5541, 84.8278, 52.8960

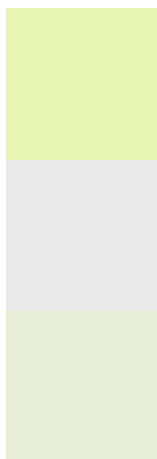
Deuteranomaly

78.9509, 84.4255, 68.0117

Tritanomaly

78.7572, 84.4182, 83.3776

Monochromacy



Original Color

72.9196, 84.6987, 54.1002

Achromatopsia

76.7008, 80.6952, 87.8771

Achromatomaly

74.8341, 81.7333, 74.1193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.9196, 84.6987, 54.1002 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, 244, 177)` looks like.

```
.text, #text, p{  
    color:rgb(230, 244, 177)  
}
```

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, 244, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 244, 177) }
```

Border

The CSS property to change the border of an element to XYZ 72.9196, 84.6987, 54.1002 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, 244, 177) }
```


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

```
.border{ border-color:rgb(230, 244, 177) }
```

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

Here you see how a box with a 4 pixel rgb(230, 244, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 244, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 244, 177);  
box-shadow:4px 4px 4px 4px rgb(230, 244,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 72.9196, 84.6987, 54.1002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 244, 177) }
```

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

```
.background{ background-color: rgb(230,  
244, 177) }
```

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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