

Converting Colors

XYZ(71.1476, 78.0540, 21.2136)

Have a look what the booklet for
XYZ(71.1476, 78.0540, 21.2136)
contains.

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Color

**XYZ(71.1476, 78.0540,
21.2136)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE55B
RGB	255, 229, 91
RGB Percent	100%, 90%, 36%
CMY	0.0000, 0.1019, 0.6431
CMYK	0.00, 0.10, 0.64, 0.00
HSL	50°, 100%, 68%
HSV	50°, 64%, 100%
XYZ	71.1476, 78.0540, 21.2136
YIQ	221.0420, 59.7940, -37.4060

Conversions

Conversions Part 2

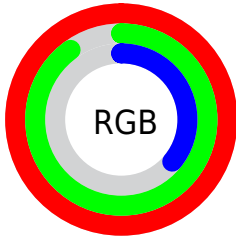
Format	Color
RYB	122, 255, 91
Decimal	16770395
CIELab	90.80, -6.38, 68.20
CIELCh	91, 68.499, 95.342
Yxy	78.0540, 0.4175, 0.4580
Android (android.graphics.Color)	4294960475 (0xFFFFE55B)
YUV	221.0420, -64.1107, 29.7812
Hunter-Lab	88.3482, -10.8616, 47.6074

Details

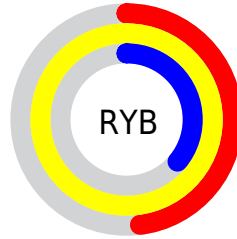
The XYZ color **71.1476, 78.0540, 21.2136** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **28.7255, 22.1661, 97.3715**, and the grayscale version is **69.1653, 72.7673, 79.2436**.

A 20% lighter version of the original color is **82.2665, 94.8866, 41.5828**, and **37.8891, 41.9731, 7.4010** is the 20% darker color. If you saturate the color by 10%, you get **69.1243, 75.4791, 16.0037**, and if you desaturate by 10%, it is **73.5741, 80.8379, 28.4027**.

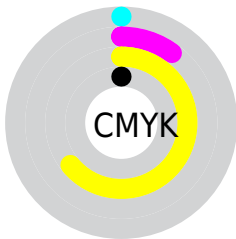
Distribution



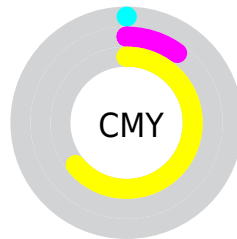
- Red (100%)
- Green (90%)
- Blue (36%)



- Red (48%)
- Yellow (100%)
- Blue (36%)



- Cyan (0%)
- Magenta (10%)
- Yellow (64%)
- Black (0%)



- Cyan (0%)
- Magenta (10%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1476, 78.0540, 21.2136 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 71.1476, 78.0540, 21.2136 by changing the saturation by 10% instead.

71.1476, 78.0540,
21.2136

71.1476, 78.0540,
21.2136

453.7731,
488.3502, 271.2297

52.7456, 58.1183,
13.0875

119.8612,
130.6262, 46.3281

37.8264, 41.9038,
7.3574

150.9036,
164.0316, 64.1536

26.0246, 29.0260,
3.6048

186.8902,
202.6957, 86.0493

16.9748, 19.1005,
1.4111

228.1863,
247.0028, 112.4338

10.3117, 11.7429,
0.1504

275.1572,
297.3375, 143.7255

5.6700, 6.5689,
0.0000

328.1685,

2.6842, 3.1940,

354.0840, 180.3430

0.0000

387.5853,
417.6267, 222.7049

■ 0.9891, 1.2338,
0.0000

■ 0.0000, 0.0891,
0.0000

■ 71.1476, 78.0540,
21.2136

■ 71.1476, 78.0540,
21.2136

■ 69.1243, 75.4791,
16.0037

■ 73.5741, 80.8379,
28.4027

■ 67.4591, 73.0857,
12.5594


■ 76.4327, 83.8335,
37.7459


■ 66.1049, 70.8579,
10.6265

■ 79.7557, 87.0571,
49.4041

■ 65.4341, 69.6488,
9.9948

■ 83.5706, 90.5200,
63.5219

 87.9027, 94.2325,
80.2316

 92.7757, 98.2043,
99.6565

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



88.8797, 78.0540, 24.6493



71.1476, 78.0540, 21.2136



56.6334, 78.0540, 28.7238

Triad

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



71.1476, 78.0540, 21.2136



50.3207, 78.0540, 152.5003



108.5375, 78.0540, 131.0149

Complementary

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



71.1476, 78.0540, 21.2136



28.7255, 22.1661, 97.3715

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.



95.0400, 78.0540, 188.2012



71.1476, 78.0540, 21.2136



61.2116, 78.0540, 203.6035

Square

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



71.1476, 78.0540, 21.2136



45.8592, 78.0540, 94.1260



77.3138, 78.0540, 218.7094



112.2862, 78.0540, 76.4606

Rectangle

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



71.1476, 78.0540, 21.2136



50.1460, 78.0540, 41.6575



77.3138, 78.0540, 218.7094



104.8978, 78.0540, 151.1365

Sweetspot

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



71.1494, 78.0577, 21.2152



85.8065, 92.4610, 72.0677



48.2712, 30.0588, 20.5024



18.1046, 19.5649, 14.4208



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.



71.1494, 78.0577, 21.2152



68.6437, 74.8188, 14.9138



61.5570, 84.6003, 22.9836



19.3016, 20.5714, 19.0977



34.2828, 36.5769, 5.2531



3.4009, 3.6871, 0.5324

Inverse Universe

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



28.7255, 22.1661, 97.3715



23.4698, 15.4128, 96.3457



33.5867, 20.7836, 96.8484



17.2355, 17.8425, 22.7855



9.9037, 4.7170, 49.8231



1.0280, 0.5867, 4.8723

Previews

White Background



This preview shows how the XYZ color 71.1476, 78.0540, 21.2136 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 71.1476, 78.0540, 21.2136 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 71.1476, 78.0540, 21.2136

Background



This preview shows how black text looks on a background with the XYZ color 71.1476, 78.0540, 21.2136.



This preview shows how white text looks on a background with the XYZ color 71.1476, 78.0540,

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

71.1476, 78.0540, 21.2136

Protanopia

71.1476, 78.0540, 21.2136

Deuteranopia

76.5474, 78.0320, 56.3746



Tritanopia

80.9953, 77.6926, 86.3286

Trichromacy



Original Color

71.1476, 78.0540, 21.2136

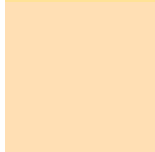
Protanomaly

71.1476, 78.0540, 21.2136



Deuteranomaly

73.9414, 77.8547, 39.9845



Tritanomaly

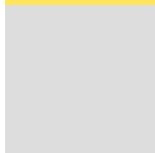
75.8659, 77.3306, 54.1078

Monochromacy



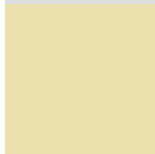
Original Color

71.1476, 78.0540, 21.2136



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

67.8999, 73.6909, 50.6895

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1476, 78.0540, 21.2136 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(255, 229, 91)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 91)  
}
```

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(255, 229, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 91) }
```

Border

The CSS property to change the border of an element to XYZ 71.1476, 78.0540, 21.2136 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(255, 229, 91) }
```


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

```
.border{ border-color:rgb(255, 229, 91) }
```

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

Here you see how a box with a 4 pixel rgb(255, 229, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 229, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 229, 91);  
box-shadow:4px 4px 4px 4px rgb(255, 229,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1476, 78.0540, 21.2136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 91) }
```

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

```
.background{ background-color: rgb(255,  
229, 91) }
```

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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