

Converting Colors

XYZ(97.7505, 90.6107, 26.7761)

Have a look what the booklet for
XYZ(97.7505, 90.6107, 26.7761)
contains.

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Color

**XYZ(71.1967, 76.7568,
25.5311)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE26D
RGB	255, 226, 109
RGB Percent	100%, 89%, 43%
CMY	0.0000, 0.1137, 0.5725
CMYK	0.00, 0.11, 0.57, 0.00
HSL	48°, 100%, 71%
HSV	48°, 57%, 100%
XYZ	71.1967, 76.7568, 25.5311
YIQ	221.3330, 54.8410, -30.2390

Conversions

Conversions Part 2

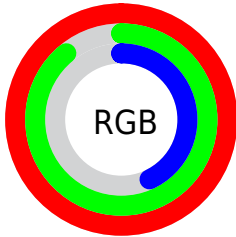
Format	Color
RYB	145, 255, 109
Decimal	16769645
CIELab	90.21, -3.71, 59.79
CIELCh	90, 59.905, 93.549
Yxy	76.7568, 0.4104, 0.4424
Android (android.graphics.Color)	4294959725 (0xFFFFE26D)
YUV	221.3330, -55.3802, 29.5260
Hunter-Lab	87.6110, -8.2619, 44.0497

Details

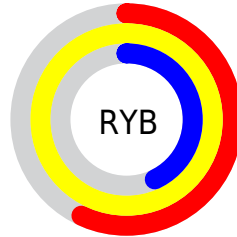
The XYZ color **71.1967, 76.7568, 25.5311** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.4450, 28.6474, 98.3742**, and the grayscale version is **69.3133, 72.9230, 79.4131**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **37.7582, 41.0038, 9.5389** is the 20% darker color. If you saturate the color by 10%, you get **68.6620, 73.5749, 18.8684**, and if you desaturate by 10%, it is **74.1738, 80.1866, 34.3070**.

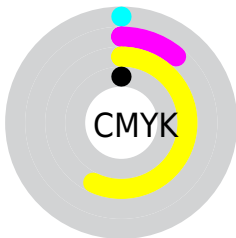
Distribution



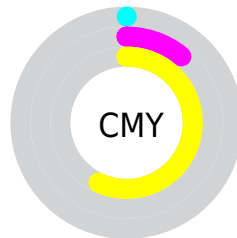
- Red (100%)
- Green (89%)
- Blue (43%)



- Red (57%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (11%)
- Yellow (57%)
- Black (0%)



- Cyan (0%)
- Magenta (11%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.1967, 76.7568, 25.5311 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 71.1967, 76.7568, 25.5311 by changing the saturation by 10% instead.

71.1967, 76.7568,
25.5311

71.1967, 76.7568,
25.5311

453.9419,
483.9344, 294.0045

52.7858, 57.0533,
16.2506

119.9308,
128.7961, 53.4923

37.8586, 41.0480,
9.5454

150.9847,
161.9007, 73.0100

26.0497, 28.3566,
4.9969

186.9836,
200.2412, 96.7772

16.9937, 18.5947,
2.1868

228.2930,
244.2018, 125.2125

10.3253, 11.3778,
0.6667

275.2782,
294.1671, 158.7343

5.6791, 6.3215,
0.0000

328.3045,

2.6897, 3.0416,

350.5213, 197.7612

0.0000

387.7373,
413.6490, 242.7118

■ 0.9919, 1.1535,
0.0000

■ 0.0000, 0.0232,
0.0000

■ 71.1967, 76.7568,
25.5311

■ 71.1967, 76.7568,
25.5311

■ 68.6620, 73.5749,
18.8684

■ 74.1738, 80.1866,
34.3070

■ 66.5285, 70.6150,
14.1271

■ 77.6195, 83.8665,
45.3561

■ 64.7557, 67.8635,
11.0886

■ 81.5642, 87.8122,
58.8286

■ 63.2896, 65.2979,
9.4692

■ 86.0338, 92.0346,
74.8602

■ 62.9184, 64.6169,
9.1562

■ 91.0527, 96.5439,
93.5766

95.0499, 99.9999,
108.9000

Harmonies

Analogous

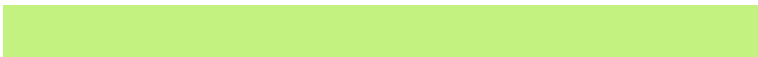
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.4703, 76.7568, 29.5486



71.1967, 76.7568, 25.5311



58.2445, 76.7568, 32.1604

Triad

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



71.1967, 76.7568, 25.5311



51.5947, 76.7568, 137.5928



101.7178, 76.7568, 125.6933

Complementary

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



71.1967, 76.7568, 25.5311



33.4450, 28.6474, 98.3742

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.



89.9547, 76.7568, 172.2646



71.1967, 76.7568, 25.5311



60.9270, 76.7568, 180.6185

Square

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



71.1967, 76.7568, 25.5311



47.9411, 76.7568, 88.7553



74.7421, 76.7568, 195.0783



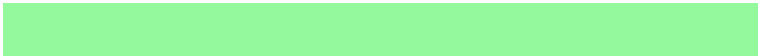
105.4355, 76.7568, 78.6005

Rectangle

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



71.1967, 76.7568, 25.5311



52.2581, 76.7568, 43.7009



74.7421, 76.7568, 195.0783



98.5014, 76.7568, 142.3931

Sweetspot

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



71.1985, 76.7604, 25.5326



86.1544, 92.1456, 75.3012



51.3110, 34.0388, 27.9875



18.2385, 19.5362, 15.3800



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.



71.1985, 76.7604, 25.5326



68.2617, 73.0424, 17.9075



65.4419, 86.5025, 27.7165



19.2368, 20.4417, 19.0761



32.9843, 33.9798, 4.8203



3.2859, 3.4572, 0.4941

Inverse Universe

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



33.4450, 28.6474, 98.3742



27.2950, 20.9171, 97.2065



36.6185, 24.9111, 97.4857



17.2950, 17.9617, 22.8054



10.1240, 5.1575, 49.8965



1.0579, 0.6466, 4.8823

Previews

White Background



This preview shows how the XYZ color 71.1967, 76.7568, 25.5311 looks on a white background.

Color Contrast Check

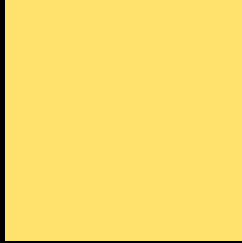
Large Text (above 18pt) WCAG AA × Fail

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 71.1967, 76.7568, 25.5311 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 71.1967, 76.7568, 25.5311

Background



This preview shows how black text looks on a background with the XYZ color 71.1967, 76.7568, 25.5311.

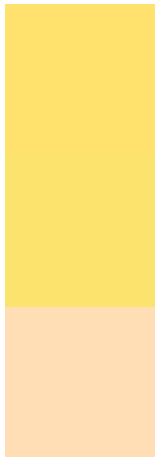


This preview shows how white text looks on a background with the XYZ color 71.1967, 76.7568,

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

71.1967, 76.7568, 25.5311

Protanopia

70.0131, 76.5515, 25.5538

Deuteranopia

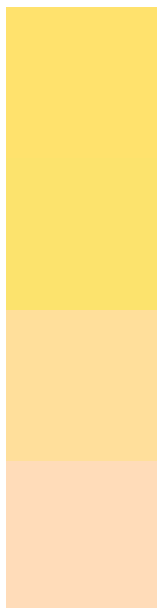
75.7018, 76.8387, 54.5575



Tritanopia

80.1957, 76.5429, 84.6762

Trichromacy



Original Color

71.1967, 76.7568, 25.5311

Protanomaly

70.3743, 76.7377, 25.5707

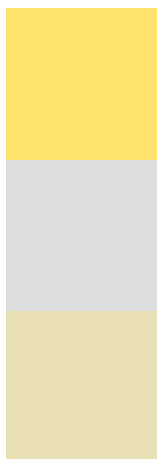
Deuteranomaly

73.5441, 76.4019, 41.8812

Tritanomaly

75.5902, 75.9492, 56.5746

Monochromacy



Original Color

71.1967, 76.7568, 25.5311

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.2302, 73.3943, 53.7504

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.1967, 76.7568, 25.5311 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, 226, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 109)  
}
```

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, 226, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 109) }
```

Border

The CSS property to change the border of an element to XYZ 71.1967, 76.7568, 25.5311 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, 226, 109) }
```


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

```
.border{ border-color:rgb(255, 226, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 226, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 226, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 226, 109); box-shadow:4px 4px 4px 4px rgb(255, 226, 109) }
```

Background

The CSS property to change the background color of an element to XYZ 71.1967, 76.7568, 25.5311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 109) }
```

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

```
.background{ background-color: rgb(255,  
226, 109) }
```

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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