

Converting Colors

XYZ(70.7808, 75.9563, 25.2965)

Have a look what the booklet for
XYZ(70.7808, 75.9563, 25.2965)
contains.

XYZ(70.9255, 76.2146, 25.4407)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(70.9255, 76.2146,
25.4407)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE16D
RGB	255, 225, 109
RGB Percent	100%, 88%, 43%
CMY	0.0000, 0.1176, 0.5725
CMYK	0.00, 0.12, 0.57, 0.00
HSL	48°, 100%, 71%
HSV	48°, 57%, 100%
XYZ	70.9255, 76.2146, 25.4407
YIQ	220.7460, 55.1160, -29.7160

Conversions

Conversions Part 2

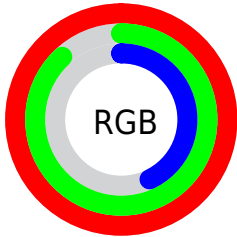
Format	Color
RYB	147, 255, 109
Decimal	16769389
CIELab	89.96, -3.20, 59.50
CIELCh	90, 59.590, 93.083
Yxy	76.2146, 0.4110, 0.4416
Android (android.graphics.Color)	4294959469 (0xFFFFE16D)
YUV	220.7460, -55.0908, 30.0408
Hunter-Lab	87.3010, -7.7588, 43.8328

Details

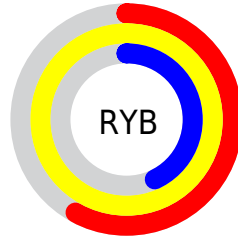
The XYZ color **70.9255, 76.2146, 25.4407** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **33.5890, 28.9354, 98.4219**, and the grayscale version is **68.8979, 72.4860, 78.9372**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **37.5700, 40.6274, 9.4761** is the 20% darker color. If you saturate the color by 10%, you get **68.3530, 72.9571, 18.7654**, and if you desaturate by 10%, it is **73.9432, 79.7255, 34.2300**.

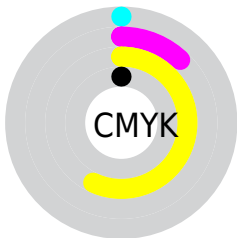
Distribution



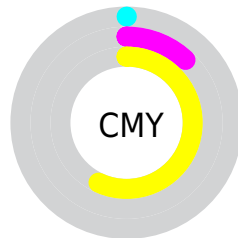
- Red (100%)
- Green (88%)
- Blue (43%)



- Red (58%)
- Yellow (100%)
- Blue (43%)



- Cyan (0%)
- Magenta (12%)
- Yellow (57%)
- Black (0%)





- Cyan (0%)
- Magenta (12%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9255, 76.2146, 25.4407 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 70.9255, 76.2146, 25.4407 by changing the saturation by 10% instead.


 70.9255, 76.2146,
25.4407

 70.9255, 76.2146,
25.4407


453.0088,
482.0820, 293.5432


 52.5637, 56.6085,
16.1837


 119.5467,
128.0302, 53.3442


 37.6807, 40.6910,
9.4985


 150.5369,
161.0085, 72.8278

 25.9110, 28.0777,
4.9665


 186.4672,
199.2130, 96.5574

 16.8894, 18.3843,
2.1692

 227.7031,
243.0280, 124.9514

 10.2505, 11.2262,
0.6565

274.6098,
292.8381, 158.4285

 5.6289, 6.2192,
0.0000

327.5528,

 2.6593, 2.9788,

349.0275, 197.4071

0.0000

386.8973,
411.9807, 242.3058

■ 0.9763, 1.1207,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9255, 76.2146,
25.4407

■ 70.9255, 76.2146,
25.4407

■ 68.3530, 72.9571,
18.7654

■ 73.9432, 79.7255,
34.2300

■ 66.1844, 69.9271,
14.0124

■ 77.4322, 83.4922,
45.2936

■ 64.3793, 67.1109,
10.9632

■ 81.4231, 87.5303,
58.7815

■ 62.8835, 64.4860,
9.3338

■ 85.9419, 91.8510,
74.8294

■ 62.5046, 63.7896,
9.0183

■ 91.0128, 96.4644,
93.5631

95.0497, 99.9999,
108.9000

Harmonies

Analogous

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



86.0490, 76.2146, 29.5948



70.9255, 76.2146, 25.4407



58.0384, 76.2146, 31.8458

Triad

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



70.9255, 76.2146, 25.4407



51.1844, 76.2146, 135.6714



100.7779, 76.2146, 125.4425

Complementary

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



70.9255, 76.2146, 25.4407



33.5890, 28.9354, 98.4219

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.



89.0455, 76.2146, 171.3157



70.9255, 76.2146, 25.4407



60.3467, 76.2146, 178.4941

Square

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



70.9255, 76.2146, 25.4407



47.6547, 76.2146, 87.4289



73.9753, 76.2146, 193.3520



104.6024, 76.2146, 78.6938

Rectangle

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



70.9255, 76.2146, 25.4407



52.0526, 76.2146, 43.1403



73.9753, 76.2146, 193.3520



97.5564, 76.2146, 141.9427

Sweetspot

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



70.9273, 76.2182, 25.4422



86.0641, 91.9648, 75.2710



51.4894, 34.1101, 28.9276



18.2170, 19.4932, 15.3728



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.



70.9273, 76.2182, 25.4422



67.9466, 72.4122, 17.8025



66.1450, 86.8648, 27.7493



19.2257, 20.4196, 19.0724



32.7707, 33.5526, 4.7491



3.2669, 3.4191, 0.4878

Inverse Universe

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



33.5890, 28.9354, 98.4219



27.4317, 21.1906, 97.2521



36.1645, 24.6770, 97.4642



17.3052, 17.9821, 22.8088



10.1666, 5.2427, 49.9107



1.0635, 0.6576, 4.8842

Previews

White Background



This preview shows how the XYZ color 70.9255, 76.2146, 25.4407 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 70.9255, 76.2146, 25.4407 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 70.9255, 76.2146, 25.4407

Background



This preview shows how black text looks on a background with the XYZ color 70.9255, 76.2146, 25.4407.



This preview shows how white text looks on a background with the XYZ color 70.9255, 76.2146,

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

70.9255, 76.2146, 25.4407

Protanopia

70.0672, 76.5732, 25.8390

Deuteranopia

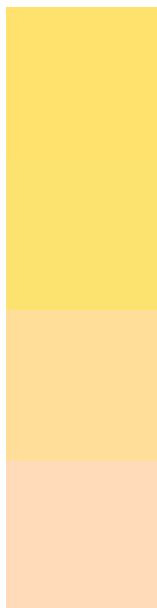
75.1323, 76.1873, 52.8652



Tritanopia

79.7995, 75.9732, 83.8572

Trichromacy



Original Color

70.9255, 76.2146, 25.4407

Protanomaly

70.1557, 76.2139, 25.7650

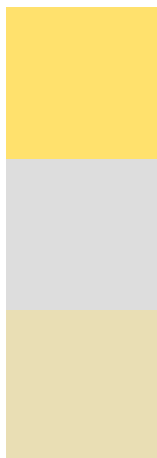
Deuteranomaly

73.1110, 75.8025, 40.9150

Tritanomaly

75.3285, 75.4258, 56.4873

Monochromacy



Original Color

70.9255, 76.2146, 25.4407

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

67.9638, 72.8615, 53.6616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9255, 76.2146, 25.4407 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, 225, 109)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 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, 225, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 109) }
```

Border

The CSS property to change the border of an element to XYZ 70.9255, 76.2146, 25.4407 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, 225, 109) }
```


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

```
.border{ border-color:rgb(255, 225, 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, 225, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 109);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9255, 76.2146, 25.4407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 109) }
```

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

```
.background{ background-color: rgb(255,  
225, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor