

Converting Colors

XYZ(69.9820, 75.5304, 24.8348)

Have a look what the booklet for
XYZ(69.9820, 75.5304, 24.8348)
contains.

XYZ(69.8175, 75.2555, 24.7559)	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(69.8175, 75.2555,
24.7559)**

Conversions

Conversions Part 1	
Format	Color
Hex	FDE06B
RGB	253, 224, 107
RGB Percent	99%, 88%, 42%
CMY	0.0078, 0.1215, 0.5804
CMYK	0.00, 0.11, 0.58, 0.01
HSL	48°, 97%, 71%
HSV	48°, 58%, 99%
XYZ	69.8175, 75.2555, 24.7559
YIQ	219.3330, 54.8410, -30.2390

Conversions

Conversions Part 2

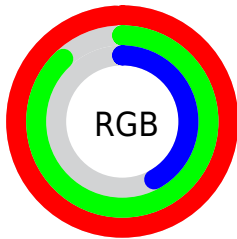
Format	Color
RYB	143, 253, 107
Decimal	16638059
CIELab	89.51, -3.65, 59.85
CIELCh	90, 59.961, 93.494
Yxy	75.2555, 0.4111, 0.4431
Android (android.graphics.Color)	4294828139 (0xFFFDE06B)
YUV	219.3330, -55.3802, 29.5260
Hunter-Lab	86.7499, -8.1532, 43.8053

Details

The XYZ color **69.8175, 75.2555, 24.7559** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.5969, 27.8250, 96.5807**, and the grayscale version is **67.9110, 71.4477, 77.8065**.

A 20% lighter version of the original color is **83.5216, 95.3886, 48.1922**, and **36.8229, 39.9704, 9.1425** is the 20% darker color. If you saturate the color by 10%, you get **67.3465, 72.1411, 18.2987**, and if you desaturate by 10%, it is **72.7213, 78.6125, 33.2797**.

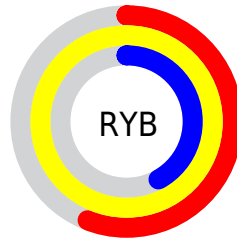
Distribution



Red (99%)

Green (88%)

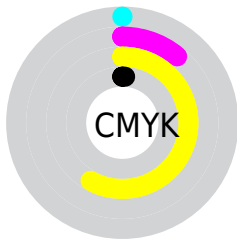
Blue (42%)



Red (56%)

Yellow (99%)

Blue (42%)

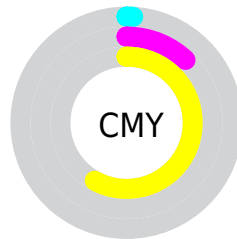


Cyan (0%)

Magenta (11%)

Yellow (58%)

Black (1%)



Cyan (1%)


Magenta (12%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.8175, 75.2555, 24.7559 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 69.8175, 75.2555, 24.7559 by changing the saturation by 10% instead.


 69.8175, 75.2555,
24.7559

 69.8175, 75.2555,
24.7559


449.1854,
478.7953, 290.0288


 51.6568, 55.8222,
15.6779


 117.9762,
126.6740, 52.2201

 36.9548, 40.0604,
9.1447


 148.7048,
159.4280, 71.4435

 25.3460, 27.5857,
4.7376


 184.3536,
197.3910, 94.8857

 16.4651, 18.0136,
2.0381

 225.2877,
240.9474, 122.9653

 9.9468, 10.9597,
0.5785

271.8726,
290.4817, 156.1009

 5.4257, 6.0398,
0.0000


324.4736,


 2.5364, 2.8693,


346.3781, 194.7110


0.0000


383.4561,
409.0212, 239.2141


 0.9137, 1.0639,
0.0000

 0.0000, 0.0000,
0.0000


 69.8175, 75.2555,
24.7559


 69.8175, 75.2555,
24.7559


 67.3465, 72.1411,
18.2987


 72.7213, 78.6125,
33.2797


 65.2675, 69.2441,
13.7188


 76.0838, 82.2145,
44.0279


 63.5408, 66.5506,
10.8001

 79.9347, 86.0769,
57.1484

 62.1111, 64.0382,
9.2537

 84.2998, 90.2103,
72.7749

 61.8065, 63.4799,
8.9953

 89.2029, 94.6249,
91.0310

94.0478, 99.0826,
108.7757

94.3178, 99.6225,
108.8657

Harmonies

Analogous

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



84.9115, 75.2555, 28.7168



69.8175, 75.2555, 24.7559



57.0237, 75.2555, 31.2423

Triad

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



69.8175, 75.2555, 24.7559



50.4338, 75.2555, 135.2805



99.9503, 75.2555, 123.6801

Complementary

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



69.8175, 75.2555, 24.7559



32.5969, 27.8250, 96.5807

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.



88.3043, 75.2555, 169.7843



69.8175, 75.2555, 24.7559



59.6305, 75.2555, 177.9382

Square

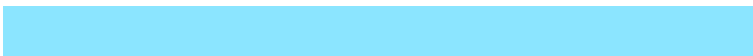
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



69.8175, 75.2555, 24.7559



46.8425, 75.2555, 86.9789



73.2664, 75.2555, 192.3387



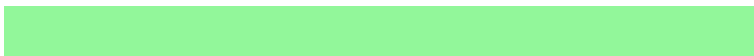
103.6460, 75.2555, 77.1004

Rectangle

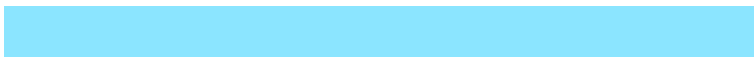
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.8175, 75.2555, 24.7559



51.1123, 75.2555, 42.5728



73.2664, 75.2555, 192.3387



96.7637, 75.2555, 140.2110

Sweetspot

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



69.8193, 75.2591, 24.7574



86.1545, 92.1457, 75.3012



50.2242, 33.1820, 27.1258



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.



69.8193, 75.2591, 24.7574



68.2618, 73.0425, 17.9075



64.1304, 84.8964, 26.9175



19.2368, 20.4417, 19.0761



32.9843, 33.9799, 4.8203



3.2859, 3.4572, 0.4941

Inverse Universe

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



32.5969, 27.8250, 96.5807



27.2949, 20.9170, 97.2065



35.7134, 24.1683, 95.7107



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 69.8175, 75.2555, 24.7559 looks on a white background.

Color Contrast Check

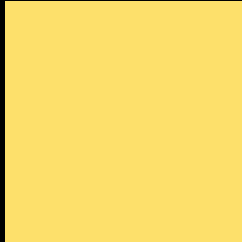
Large Text (above 18pt) WCAG AA × Fail

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 69.8175, 75.2555, 24.7559 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 69.8175, 75.2555, 24.7559

Background



This preview shows how black text looks on a background with the XYZ color 69.8175, 75.2555, 24.7559.



This preview shows how white text looks on a background with the XYZ color 69.8175, 75.2555,

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

69.8175, 75.2555, 24.7559

Protanopia

68.6460, 75.0517, 24.7783

Deuteranopia

74.2115, 74.9790, 50.6054



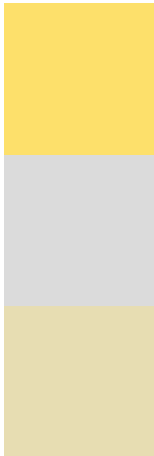
Tritanopia

79.1517, 74.8992, 82.9583

Trichromacy

	Original Color 69.8175, 75.2555, 24.7559
	Protanomaly 69.0034, 75.2360, 24.7950
	Deuteranomaly 72.2345, 74.9857, 39.5207
	Tritanomaly 74.4917, 74.6325, 55.2791

Monochromacy

	Original Color 69.8175, 75.2555, 24.7559
	Achromatopsia 67.3311, 70.8376, 77.1421
	Achromatomaly 66.8473, 71.9162, 52.4775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.8175, 75.2555, 24.7559 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(253, 224, 107)` looks like.

```
.text, #text, p{  
    color:rgb(253, 224, 107)  
}
```

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(253, 224, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 224, 107) }
```

Border

The CSS property to change the border of an element to XYZ 69.8175, 75.2555, 24.7559 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(253, 224, 107) }
```


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

```
.border{ border-color:rgb(253, 224, 107) }
```

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

Here you see how a box with a 4 pixel rgb(253, 224, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 224, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 224, 107);  
box-shadow:4px 4px 4px 4px rgb(253, 224,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 69.8175, 75.2555, 24.7559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 224, 107) }
```

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

```
.background{ background-color: rgb(253,  
224, 107) }
```

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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