

Converting Colors

XYZ(75.0248, 84.9923, 25.0213)

Have a look what the booklet for
XYZ(75.0248, 84.9923, 25.0213)
contains.

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Color

**XYZ(75.0936, 85.1299,
25.0442)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF166
RGB	255, 241, 102
RGB Percent	100%, 95%, 40%
CMY	0.0000, 0.0549, 0.6000
CMYK	0.00, 0.05, 0.60, 0.00
HSL	55°, 100%, 70%
HSV	55°, 60%, 100%
XYZ	75.0936, 85.1299, 25.0442
YIQ	229.3400, 52.9630, -40.2610

Conversions

Conversions Part 2

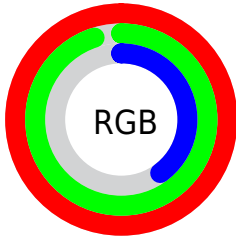
Format	Color
R_{YB}	117, 255, 102
Decimal	16773478
CIE Lab	93.94, -11.65, 67.01
CIE LCh	94, 68.014, 99.859
Yxy	85.1299, 0.4053, 0.4595
Android (android.graphics.Color)	4294963558 (0xFFFF166)
YUV	229.3400, -62.7786, 22.5038
Hunter-Lab	92.2659, -16.1872, 48.4927

Details

The XYZ color **75.0936, 85.1299, 25.0442** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.7749, 22.5350, 97.3878**, and the grayscale version is **75.1495, 79.0631, 86.0997**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **40.3093, 46.4819, 9.2302** is the 20% darker color. If you saturate the color by 10%, you get **73.3332, 83.3314, 19.1492**, and if you desaturate by 10%, it is **77.2557, 87.1096, 32.9933**.

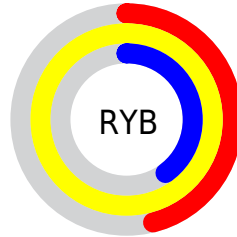
Distribution



Red (100%)

Green (95%)

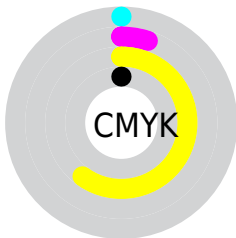
Blue (40%)



Red (46%)

Yellow (100%)

Blue (40%)

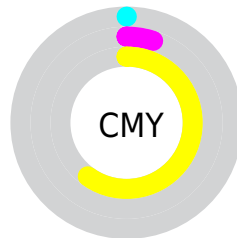


Cyan (0%)

Magenta (5%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0936, 85.1299, 25.0442 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 75.0936, 85.1299, 25.0442 by changing the saturation by 10% instead.


 75.0936, 85.1299,
25.0442


 75.0936, 85.1299,
25.0442


467.2314,
512.0578, 291.5127

 55.9840, 63.9487,
15.8907


 125.4320,
140.5547, 52.6939


 40.4271, 46.6091,
9.2933


 157.3916,
175.5670, 72.0272

 28.0574, 32.7268,
4.8336


 194.3652,
215.9586, 95.5908

 18.5096, 21.9172,
2.0929

 236.7183,
262.1137, 123.8033

 11.4184, 13.7961,
0.6115

284.8160,
314.4168, 157.0832

 6.4183, 7.9790,
0.0000

339.0239,

 3.1441, 4.0815,

373.2522, 195.8490

0.0000

399.7073,
439.0044, 240.5193

■ 1.2304, 1.7193,
0.0000

■ 0.1302, 0.4361,
0.0000

■ 75.0936, 85.1299,
25.0442

■ 75.0936, 85.1299,
25.0442

■ 73.3332, 83.3314,
19.1492

■ 77.2557, 87.1096,
32.9933

■ 71.9316, 81.6872,
15.1084


■ 79.8457, 89.2716,
43.1615


■ 70.8465, 80.1837,
12.6915

■ 82.8948, 91.6314,
55.7028

■ 70.0059, 78.7920,
11.5188

■ 86.4293, 94.1997,
70.7562

 70.0058, 78.7918,
11.5186

 90.4736, 96.9862,
88.4498

95.0498, 99.9999,
108.9000

95.0498, 99.9999,
108.9000

Harmonies

Analogous

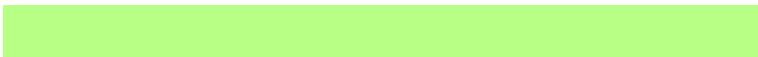
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.5128, 85.1299, 27.0288



75.0936, 85.1299, 25.0442



60.5756, 85.1299, 35.2587

Triad

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



75.0936, 85.1299, 25.0442



57.0077, 85.1299, 172.4729



118.2283, 85.1299, 131.4695

Complementary

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



75.0936, 85.1299, 25.0442



29.7749, 22.5350, 97.3878

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.



105.3591, 85.1299, 192.3188



75.0936, 85.1299, 25.0442



69.4999, 85.1299, 221.4701

Square

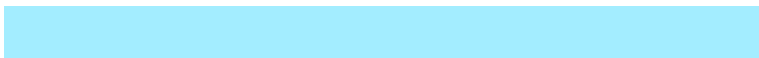
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.0936, 85.1299, 25.0442



51.2131, 85.1299, 110.8470



87.0264, 85.1299, 229.8457



120.3215, 85.1299, 76.6362

Rectangle

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



75.0936, 85.1299, 25.0442



54.3692, 85.1299, 51.0746



87.0264, 85.1299, 229.8457



114.9370, 85.1299, 152.3639

Sweetspot

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



75.0956, 85.1339, 25.0459



87.1964, 94.7391, 74.0773



49.2204, 32.0550, 20.5164



18.4261, 20.1107, 14.8281



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.



75.0956, 85.1339, 25.0459



73.0254, 82.9904, 18.1987



60.3555, 83.9222, 25.5889



19.4108, 20.7898, 19.1341



36.6382, 41.2877, 6.0383



3.6071, 4.0996, 0.6012

Inverse Universe

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



29.7749, 22.5350, 97.3878



24.1835, 15.5858, 96.3415



37.9474, 24.5314, 97.3423



17.1366, 17.6447, 22.7525



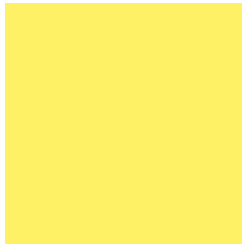
9.6397, 4.1889, 49.7351



0.9816, 0.4939, 4.8569

Previews

White Background



This preview shows how the XYZ color 75.0936, 85.1299, 25.0442 looks on a white background.

Color Contrast Check

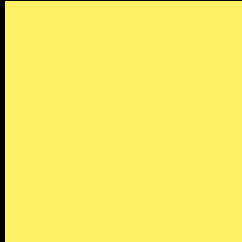
Large Text (above 18pt) WCAG AA × Fail

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 75.0936, 85.1299, 25.0442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

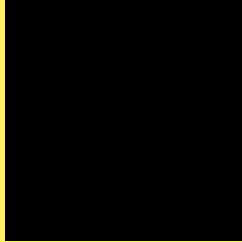
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 75.0936, 85.1299, 25.0442

Background



This preview shows how black text looks on a background with the XYZ color 75.0936, 85.1299, 25.0442.



This preview shows how white text looks on a background with the XYZ color 75.0936, 85.1299,

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

75.0936, 85.1299, 25.0442

Protanopia

78.6975, 85.1622, 48.3665

Deuteranopia

82.2957, 84.7588, 72.9954



Tritanopia

85.6931, 84.7627, 95.0634

Trichromacy



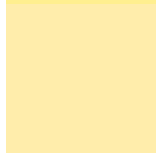
Original Color

75.0936, 85.1299, 25.0442



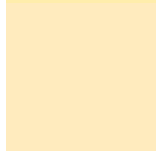
Protanomaly

77.0644, 84.9762, 38.3269



Deuteranomaly

78.8749, 84.7686, 50.7329



Tritanomaly

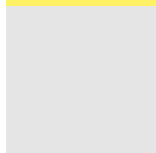
80.2426, 84.3944, 60.7757

Monochromacy



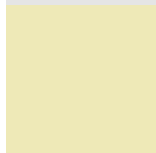
Original Color

75.0936, 85.1299, 25.0442



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.9461, 79.8739, 56.3723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0936, 85.1299, 25.0442 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, 241, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 102)  
}
```

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, 241, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 102) }
```

Border

The CSS property to change the border of an element to XYZ 75.0936, 85.1299, 25.0442 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, 241, 102) }
```


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

```
.border{ border-color:rgb(255, 241, 102) }
```

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

Here you see how a box with a 4 pixel rgb(255, 241, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0936, 85.1299, 25.0442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 102) }
```

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

```
.background{ background-color: rgb(255,  
241, 102) }
```

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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