

Converting Colors

XYZ(75.0055, 85.5940, 23.0420)

Have a look what the booklet for
XYZ(75.0055, 85.5940, 23.0420)
contains.

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Color

**XYZ(75.0125, 85.5724,
23.1532)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF25E
RGB	255, 242, 94
RGB Percent	100%, 95%, 37%
CMY	0.0000, 0.0510, 0.6314
CMYK	0.00, 0.05, 0.63, 0.00
HSL	55°, 100%, 68%
HSV	55°, 63%, 100%
XYZ	75.0125, 85.5724, 23.1532
YIQ	229.0150, 55.2560, -43.2720

Conversions

Conversions Part 2

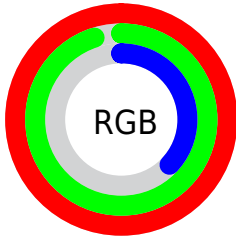
Format	Color
RYB	108, 255, 94
Decimal	16773726
CIELab	94.13, -12.63, 70.50
CIELCh	94, 71.625, 100.157
Yxy	85.5724, 0.4083, 0.4657
Android (android.graphics.Color)	4294963806 (0xFFFFF25E)
YUV	229.0150, -66.5624, 22.7888
Hunter-Lab	92.5054, -17.1389, 49.9140

Details

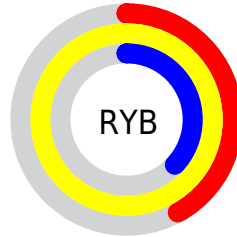
The XYZ color **75.0125, 85.5724, 23.1532** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **27.9238, 20.1147, 97.0180**, and the grayscale version is **74.9353, 78.8377, 85.8543**.

A 20% lighter version of the original color is **82.5050, 94.9820, 42.8390**, and **40.3253, 46.8242, 8.2791** is the 20% darker color. If you saturate the color by 10%, you get **73.4437, 83.9735, 17.8875**, and if you desaturate by 10%, it is **76.9701, 87.3442, 30.4144**.

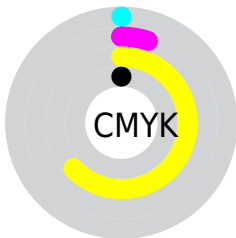
Distribution



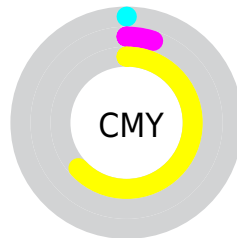
- Red (100%)
- Green (95%)
- Blue (37%)



- Red (42%)
- Yellow (100%)
- Blue (37%)



- Cyan (0%)
- Magenta (5%)
- Yellow (63%)
- Black (0%)





- Cyan (0%)
- Magenta (5%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.0125, 85.5724, 23.1532 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 75.0125, 85.5724, 23.1532 by changing the saturation by 10% instead.


 75.0125, 85.5724,
23.1532

 75.0125, 85.5724,
23.1532


466.9570,
513.5202, 281.6583


 55.9173, 64.3144,
14.5003

 125.3179,
141.1726, 49.5711


 40.3734, 46.9054,
8.3267


 157.2588,
176.2837, 68.1733

 28.0153, 32.9609,
4.2140

 194.2123,
216.7812, 90.9289

 18.4777, 22.0965,
1.7434

 236.5439,
263.0497, 118.2565

 11.3953, 13.9278,
0.3903

284.6188,
315.4734, 150.5748

 6.4026, 8.0705,
0.0000

338.8024,

 3.1344, 4.1401,

374.4368, 188.3021

0.0000

399.4600,
440.3243, 231.8571

■ 1.2252, 1.7522,
0.0000

■ 0.1261, 0.4571,
0.0000

■ 75.0125, 85.5724,
23.1532

■ 75.0125, 85.5724,
23.1532

■ 73.4437, 83.9735,
17.8875

■ 76.9701, 87.3442,
30.4144

■ 72.2187, 82.5199,
14.4076

■ 79.3440, 89.2905,
39.8427

■ 71.2924, 81.1968,
12.4663

■ 82.1662, 91.4271,
51.5974

■ 70.7824, 80.3452,
11.7775

■ 85.4638, 93.7650,
65.8211

■ 89.2617, 96.3143,
82.6452

■ 93.5832, 99.0841,
102.1918

95.0498, 99.9999,
108.9000

Harmonies

Analogous

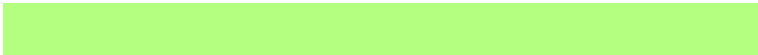
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.4820, 85.5724, 25.0226



75.0125, 85.5724, 23.1532



59.8266, 85.5724, 33.5882

Triad

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



75.0125, 85.5724, 23.1532



56.3159, 85.5724, 179.0540



121.1126, 85.5724, 133.7426

Complementary

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



75.0125, 85.5724, 23.1532



27.9238, 20.1147, 97.0180

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.



107.4620, 85.5724, 199.2250



75.0125, 85.5724, 23.1532



69.4661, 85.5724, 231.7079

Square

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



75.0125, 85.5724, 23.1532



50.2102, 85.5724, 113.0329



88.0010, 85.5724, 240.2687



123.2227, 85.5724, 75.7886

Rectangle

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



75.0125, 85.5724, 23.1532



53.3965, 85.5724, 49.9373



88.0010, 85.5724, 240.2687



117.6307, 85.5724, 156.1085

Sweetspot

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



75.0145, 85.5764, 23.1549



86.9728, 94.7936, 72.4565



47.9189, 30.3365, 17.3562



18.3905, 20.1367, 14.5161



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.



75.0145, 85.5764, 23.1549



73.0597, 83.5431, 16.7179



58.4993, 83.0088, 23.5298



19.4284, 20.8250, 19.1400



37.0380, 42.0873, 6.1715



3.6419, 4.1691, 0.6128

Inverse Universe

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



27.9238, 20.1147, 97.0180



22.6295, 13.5039, 96.0215



36.7682, 22.8121, 97.0725



17.1208, 17.6132, 22.7473



9.6085, 4.1266, 49.7247



0.9742, 0.4790, 4.8544

Previews

White Background



This preview shows how the XYZ color 75.0125, 85.5724, 23.1532 looks on a white background.

Color Contrast Check

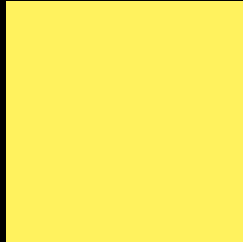
Large Text (above 18pt) WCAG AA × Fail

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 75.0125, 85.5724, 23.1532 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 75.0125, 85.5724, 23.1532

Background



This preview shows how black text looks on a background with the XYZ color 75.0125, 85.5724, 23.1532.

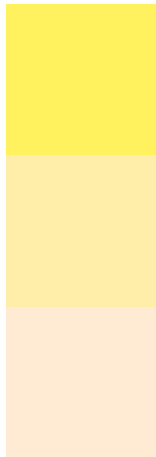


This preview shows how white text looks on a background with the XYZ color 75.0125, 85.5724,

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

75.0125, 85.5724, 23.1532

Protanopia

78.9760, 85.2736, 49.8331

Deuteranopia

82.8320, 85.4301, 74.4113



Tritanopia

86.1236, 85.3840, 95.9460

Trichromacy



Original Color

75.0125, 85.5724, 23.1532



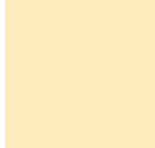
Protanomaly

76.9890, 84.9460, 37.9296



Deuteranomaly

78.9760, 85.2736, 49.8331



Tritanomaly

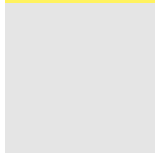
80.3126, 84.8817, 59.7278

Monochromacy



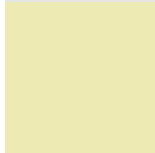
Original Color

75.0125, 85.5724, 23.1532



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.9209, 80.3181, 54.8396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.0125, 85.5724, 23.1532 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, 242, 94)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 94)  
}
```

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, 242, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 94) }
```

Border

The CSS property to change the border of an element to XYZ 75.0125, 85.5724, 23.1532 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, 242, 94) }
```


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

```
.border{ border-color:rgb(255, 242, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 94);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 75.0125, 85.5724, 23.1532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 94) }
```

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

```
.background{ background-color: rgb(255,  
242, 94) }
```

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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