

Converting Colors

XYZ(76.2227, 87.6569, 24.5920)

Have a look what the booklet for
XYZ(76.2227, 87.6569, 24.5920)
contains.

XYZ(76.1445, 87.4657, 24.6737)	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(76.1445, 87.4657,
24.6737)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF563
RGB	255, 245, 99
RGB Percent	100%, 96%, 39%
CMY	0.0000, 0.0392, 0.6117
CMYK	0.00, 0.04, 0.61, 0.00
HSL	56°, 100%, 69%
HSV	56°, 61%, 100%
XYZ	76.1445, 87.4657, 24.6737
YIQ	231.3460, 52.8260, -43.2860

Conversions

Conversions Part 2

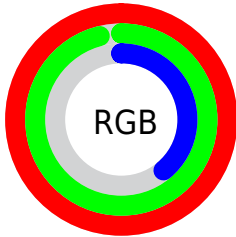
Format	Color
R_{YB}	110, 255, 99
Decimal	16774499
CIE _{Lab}	94.94, -13.79, 69.34
CIE _{LCh}	95, 70.694, 101.252
Yxy	87.4657, 0.4044, 0.4645
Android (android.graphics.Color)	4294964579 (0xFFFFF563)
YUV	231.3460, -65.2466, 20.7446
Hunter-Lab	93.5231, -18.3346, 49.8240

Details

The XYZ color **76.1445, 87.4657, 24.6737** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **28.6642, 20.8094, 97.1129**, and the grayscale version is **76.6592, 80.6514, 87.8294**.

A 20% lighter version of the original color is **82.9164, 95.1466, 45.0053**, and **41.0863, 48.1505, 9.1360** is the 20% darker color. If you saturate the color by 10%, you get **74.6216, 86.0726, 19.0721**, and if you desaturate by 10%, it is **78.0607, 89.0296, 32.3066**.

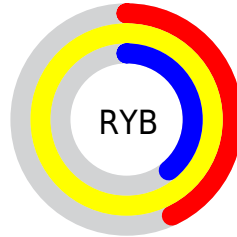
Distribution



Red (100%)

Green (96%)

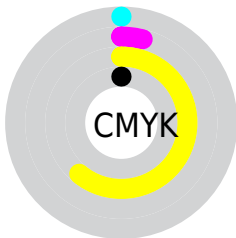
Blue (39%)



Red (43%)

Yellow (100%)

Blue (39%)

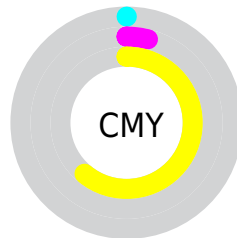


Cyan (0%)

Magenta (4%)

Yellow (61%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 76.1445, 87.4657, 24.6737 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 76.1445, 87.4657, 24.6737 by changing the saturation by 10% instead.


 76.1445, 87.4657,
24.6737

 76.1445, 87.4657,
24.6737


470.7790,
519.7519, 289.6045


 56.8485, 65.8807,
15.6173


 126.9104,
143.8131, 52.0849


 41.1233, 48.1755,
9.1024


 159.1110,
179.3442, 71.2768

 28.6035, 33.9659,
4.7103


 196.3438,
220.2928, 94.6843

 18.9239, 22.8674,
2.0225

 238.9743,
267.0433, 122.7259

 11.7190, 14.4956,
0.5691

287.3676,
319.9801, 155.8202

 6.6234, 8.4662,
0.0000

341.8893,

 3.2720, 4.3947,

379.4875, 194.3857

0.0000

402.9046,
445.9500, 238.8410

■ 1.2992, 1.8967,
0.0000

■ 0.1826, 0.5464,
0.0000

■ 76.1445, 87.4657,
24.6737

■ 76.1445, 87.4657,
24.6737

■ 74.6216, 86.0726,
19.0721

■ 78.0607, 89.0296,
32.3066

■ 73.4481, 84.8229,
15.2981

■ 80.3967, 90.7652,
42.1380

■ 72.5809, 83.7028,
13.1157

■ 83.1839, 92.6883,
54.3239

■ 72.0083, 82.7970,
12.1862

■ 86.4491, 94.8096,
69.0046

90.2167, 97.1390,
86.3094

94.5096, 99.6855,
106.3588

95.0497, 99.9998,
108.9000

Harmonies

Analogous

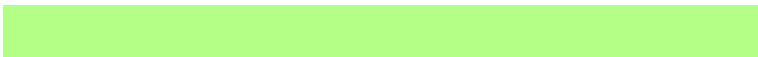
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5565, 87.4657, 26.1546



76.1445, 87.4657, 24.6737



61.1142, 87.4657, 35.8618

Triad

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



76.1445, 87.4657, 24.6737



58.3795, 87.4657, 183.2115



123.1654, 87.4657, 133.3671

Complementary

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



76.1445, 87.4657, 24.6737



28.6642, 20.8094, 97.1129

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.



109.8929, 87.4657, 198.7306



76.1445, 87.4657, 24.6737



71.8368, 87.4657, 234.3120

Square

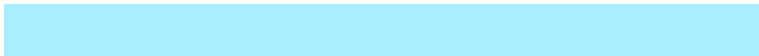
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.1445, 87.4657, 24.6737



51.9605, 87.4657, 117.3617



90.5376, 87.4657, 240.8848



124.7940, 87.4657, 76.0808

Rectangle

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



76.1445, 87.4657, 24.6737



54.8155, 87.4657, 52.9401



90.5376, 87.4657, 240.8848



119.8321, 87.4657, 155.5875

Sweetspot

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



76.1465, 87.4698, 24.6755



87.5902, 95.5268, 74.2086



48.4841, 31.2972, 18.0679



18.5237, 20.3059, 14.8606



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.



76.1465, 87.4698, 24.6755



74.3829, 85.8346, 18.2532



58.6040, 83.0359, 24.7443



19.4557, 20.8796, 19.1491



37.6688, 43.3488, 6.3818



3.6966, 4.2785, 0.6310

Inverse Universe

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



28.6642, 20.8094, 97.1129



23.4193, 14.3310, 96.1396



38.3645, 24.3167, 97.2786



17.0964, 17.5644, 22.7391



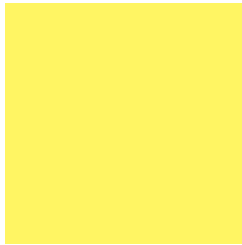
9.5660, 4.0417, 49.7105



0.9626, 0.4560, 4.8505

Previews

White Background



This preview shows how the XYZ color 76.1445, 87.4657, 24.6737 looks on a white background.

Color Contrast Check

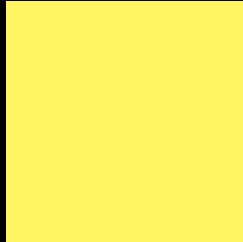
Large Text (above 18pt) WCAG AA × Fail

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 76.1445, 87.4657, 24.6737 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 76.1445, 87.4657, 24.6737

Background



This preview shows how black text looks on a background with the XYZ color 76.1445, 87.4657, 24.6737.

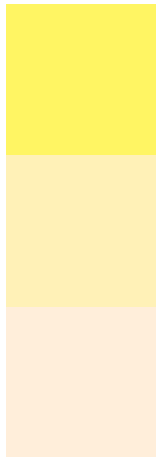


This preview shows how white text looks on a background with the XYZ color 76.1445, 87.4657,

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

76.1445, 87.4657, 24.6737

Protanopia

81.2425, 87.5895, 57.4243

Deuteranopia

84.4694, 87.4710, 78.7612



Tritanopia

87.2775, 87.2083, 97.8208

Trichromacy



Original Color

76.1445, 87.4657, 24.6737



Protanomaly

78.6596, 87.0313, 42.3587



Deuteranomaly

80.4332, 87.2657, 53.1621



Tritanomaly

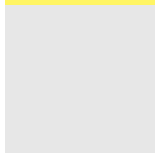
81.5105, 86.7546, 61.7395

Monochromacy



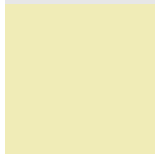
Original Color

76.1445, 87.4657, 24.6737



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

74.4779, 81.9351, 56.6894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.1445, 87.4657, 24.6737 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, 245, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 99)  
}
```

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, 245, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 99) }
```

Border

The CSS property to change the border of an element to XYZ 76.1445, 87.4657, 24.6737 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, 245, 99) }
```


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

```
.border{ border-color:rgb(255, 245, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 245, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 76.1445, 87.4657, 24.6737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 99) }
```

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

```
.background{ background-color: rgb(255,  
245, 99) }
```

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