

Converting Colors

XYZ(76.1924, 87.3276, 25.4105)

Have a look what the booklet for
XYZ(76.1924, 87.3276, 25.4105)
contains.

XYZ(76.2907, 87.5241, 25.4433)	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(76.2907, 87.5241,
25.4433)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF566
RGB	255, 245, 102
RGB Percent	100%, 96%, 40%
CMY	0.0000, 0.0392, 0.6000
CMYK	0.00, 0.04, 0.60, 0.00
HSL	56°, 100%, 70%
HSV	56°, 60%, 100%
XYZ	76.2907, 87.5241, 25.4433
YIQ	231.6880, 51.8630, -42.3530

Conversions

Conversions Part 2

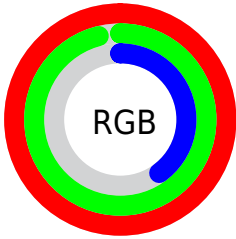
Format	Color
R _Y B	113, 255, 102
Decimal	16774502
CIE Lab	94.96, -13.60, 68.12
CIE LCh	95, 69.468, 101.293
Yxy	87.5241, 0.4031, 0.4625
Android (android.graphics.Color)	4294964582 (0xFFFFF566)
YUV	231.6880, -63.9362, 20.4446
Hunter-Lab	93.5543, -18.1587, 49.3633

Details

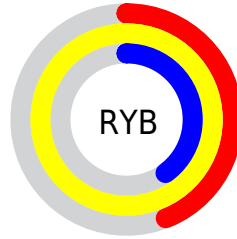
The XYZ color **76.2907, 87.5241, 25.4433** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.3238, 21.6327, 97.2373**, and the grayscale version is **76.9062, 80.9113, 88.1124**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **41.1579, 48.1791, 9.5131** is the 20% darker color. If you saturate the color by 10%, you get **74.7147, 86.0944, 19.6098**, and if you desaturate by 10%, it is **78.2642, 89.1266, 33.3296**.

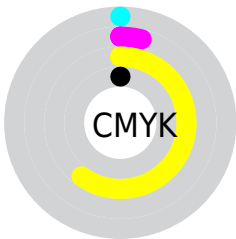
Distribution



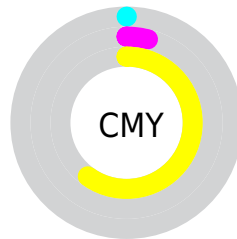
- Red (100%)
- Green (96%)
- Blue (40%)



- Red (44%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2907, 87.5241, 25.4433 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 76.2907, 87.5241, 25.4433 by changing the saturation by 10% instead.

76.2907, 87.5241,
25.4433

76.2907, 87.5241,
25.4433

471.2713,
519.9435, 293.5565

56.9688, 65.9290,
16.1856

127.1159,
143.8944, 53.3485

41.2202, 48.2148,
9.4998

159.3499,
179.4384, 72.8331

28.6796, 33.9970,
4.9674

196.6187,
220.4009, 96.5637

18.9817, 22.8913,
2.1697

239.2876,
267.1662, 124.9589

11.7610, 14.5133,
0.6568

287.7220,
320.1187, 158.4373

6.6522, 8.4785,
0.0000

342.2871,

3.2899, 4.4026,

379.6428, 197.4173

0.0000

403.3485,
446.1230, 242.3175

■ 1.3089, 1.9012,
0.0000

■ 0.1898, 0.5491,
0.0000

■ 76.2907, 87.5241,
25.4433

■ 76.2907, 87.5241,
25.4433

■ 74.7147, 86.0944,
19.6098

■ 78.2642, 89.1266,
33.3296

■ 73.4931, 84.8103,
15.6290


■ 80.6613, 90.9026,
43.4335


■ 72.5839, 83.6585,
13.2706

■ 83.5131, 92.8678,
55.9091

■ 71.9148, 82.6099,
12.1551

■ 86.8459, 95.0327,
70.8953

 71.9147, 82.6097,
12.1550

 90.6841, 97.4071,
88.5202

95.0498, 99.9998,
108.9000

95.0498, 99.9999,
108.9000

Harmonies

Analogous

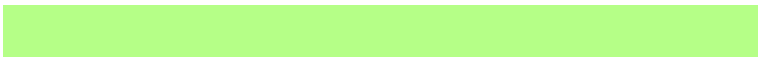
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.3651, 87.5241, 26.9113



76.2907, 87.5241, 25.4433



61.4878, 87.5241, 36.6441

Triad

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



76.2907, 87.5241, 25.4433



58.8178, 87.5241, 181.5331



122.4626, 87.5241, 132.6235

Complementary

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



76.2907, 87.5241, 25.4433



29.3238, 21.6327, 97.2373

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.



109.4758, 87.5241, 196.5144



76.2907, 87.5241, 25.4433



72.0961, 87.5241, 231.3233

Square

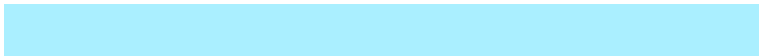
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2907, 87.5241, 25.4433



52.4649, 87.5241, 117.1077



90.4912, 87.5241, 237.6558



124.0393, 87.5241, 76.3811

Rectangle

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



76.2907, 87.5241, 25.4433



55.2741, 87.5241, 53.6254



90.4912, 87.5241, 237.6558



119.2044, 87.5241, 154.3669

Sweetspot

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



76.2928, 87.5282, 25.4451



87.5721, 95.4905, 74.2025



48.9276, 31.9379, 18.9747



18.5192, 20.2969, 14.8591



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.



76.2928, 87.5282, 25.4451



74.4433, 85.8262, 18.6713



59.0707, 83.2598, 25.5289



19.4537, 20.8755, 19.1484



37.6205, 43.2523, 6.3657



3.6924, 4.2702, 0.6296

Inverse Universe

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



29.3238, 21.6327, 97.2373



23.8013, 14.8214, 96.2141



39.0146, 25.0816, 97.3923



17.0982, 17.5681, 22.7398



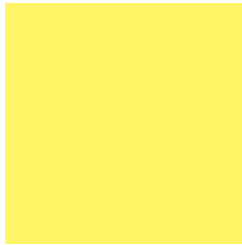
9.5690, 4.0476, 49.7115



0.9635, 0.4577, 4.8508

Previews

White Background



This preview shows how the XYZ color 76.2907, 87.5241, 25.4433 looks on a white background.

Color Contrast Check

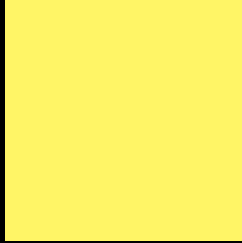
Large Text (above 18pt) WCAG AA × Fail

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 76.2907, 87.5241, 25.4433 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 76.2907, 87.5241, 25.4433

Background



This preview shows how black text looks on a background with the XYZ color 76.2907, 87.5241, 25.4433.



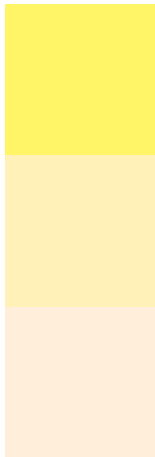
This preview shows how white text looks on a background with the XYZ color 76.2907, 87.5241,

25.4433.

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

76.2907, 87.5241, 25.4433

Protanopia

81.3470, 87.6313, 57.9745

Deuteranopia

84.4694, 87.4710, 78.7612



Tritanopia

87.2775, 87.2083, 97.8208

Trichromacy



Original Color

76.2907, 87.5241, 25.4433



Protanomaly

78.8249, 87.0974, 43.2288



Deuteranomaly

80.5318, 87.3052, 53.6814



Tritanomaly

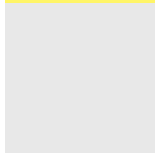
81.6209, 86.7988, 62.3211

Monochromacy



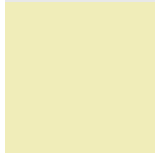
Original Color

76.2907, 87.5241, 25.4433



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

74.9763, 82.5964, 57.8900

CSS Examples

Text

The CSS property to change the color of the text to XYZ 76.2907, 87.5241, 25.4433 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, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 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, 245, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 102) }
```

Border

The CSS property to change the border of an element to XYZ 76.2907, 87.5241, 25.4433 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, 102) }
```


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

```
.border{ border-color:rgb(255, 245, 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, 245, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 76.2907, 87.5241, 25.4433 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, 102) }
```

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

```
.background{ background-color: rgb(255,  
245, 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](#).

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