

Converting Colors

XYZ(75.5389, 87.2337, 21.4541)

Have a look what the booklet for
XYZ(75.5389, 87.2337, 21.4541)
contains.

XYZ(75.5321, 87.2207, 21.4486)	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(75.5321, 87.2207,
21.4486)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF555
RGB	255, 245, 85
RGB Percent	100%, 96%, 33%
CMY	0.0000, 0.0392, 0.6666
CMYK	0.00, 0.04, 0.67, 0.00
HSL	56°, 100%, 67%
HSV	56°, 67%, 100%
XYZ	75.5321, 87.2207, 21.4486
YIQ	229.7500, 57.3200, -47.6400

Conversions

Conversions Part 2

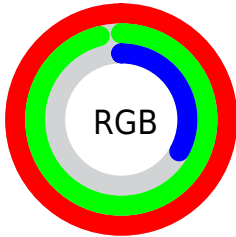
Format	Color
RYB	96, 255, 85
Decimal	16774485
CIELab	94.83, -14.60, 74.72
CIELCh	95, 76.131, 101.053
Yxy	87.2207, 0.4101, 0.4735
Android (android.graphics.Color)	4294964565 (0xFFFFFFFF555)
YUV	229.7500, -71.3618, 22.1442
Hunter-Lab	93.3920, -19.0717, 51.7578

Details

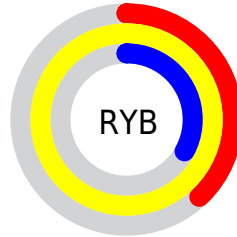
The XYZ color **75.5321, 87.2207, 21.4486** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **25.8886, 17.3355, 96.5888**, and the grayscale version is **75.5124, 79.4449, 86.5155**.

A 20% lighter version of the original color is **81.8825, 94.7330, 39.5608**, and **40.7696, 48.0238, 7.4686** is the 20% darker color. If you saturate the color by 10%, you get **74.2451, 85.9865, 16.8906**, and if you desaturate by 10%, it is **77.1916, 88.6163, 27.9326**.

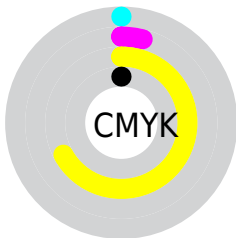
Distribution



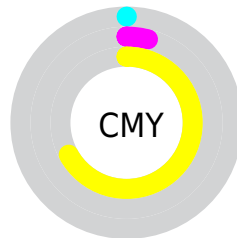
- Red (100%)
- Green (96%)
- Blue (33%)



- Red (38%)
- Yellow (100%)
- Blue (33%)



- Cyan (0%)
- Magenta (4%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.5321, 87.2207, 21.4486 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 75.5321, 87.2207, 21.4486 by changing the saturation by 10% instead.


 75.5321, 87.2207,
21.4486


 75.5321, 87.2207,
21.4486


468.7135,
518.9478, 272.5120


 56.3446, 65.6779,
13.2579


 126.0492,
143.4717, 46.7234


 40.7174, 48.0109,
7.4736


 158.1095,
178.9487, 64.6445

 28.2850, 33.8356,
3.6771

 195.1914,
219.8392, 86.6462

 18.6822, 22.7673,
1.4499

 237.6604,
266.5275, 113.1470

 11.5435, 14.4218,
0.1802

285.8818,
319.3982, 144.5655

 6.5036, 8.4146,
0.0000

340.2208,

 3.1972, 4.3614,

378.8355, 181.3201

0.0000

401.0430,
445.2239, 223.8294

■ 1.2589, 1.8777,
0.0000

■ 0.1521, 0.5349,
0.0000

■ 75.5321, 87.2207,
21.4486

■ 75.5321, 87.2207,
21.4486

■ 74.2451, 85.9865,
16.8906

■ 77.1916, 88.6163,
27.9326

■ 73.2834, 84.8850,
14.0358


■ 79.2529, 90.1753,
36.5229


■ 72.5968, 83.8994,
12.6122

■ 81.7489, 91.9140,
47.3847

■ 72.4028, 83.5860,
12.3177

■ 84.7079, 93.8439,
60.6655

 88.1553, 95.9750,
76.5004

 92.1150, 98.3170,
95.0146

95.0497, 99.9999,
108.9000

Harmonies

Analogous

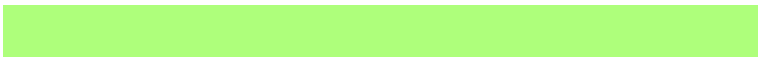
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4469, 87.2207, 22.9838



75.5321, 87.2207, 21.4486



59.5003, 87.2207, 32.5129

Triad

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



75.5321, 87.2207, 21.4486



56.4607, 87.2207, 190.7221



126.3210, 87.2207, 136.7973

Complementary

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



75.5321, 87.2207, 21.4486



25.8886, 17.3355, 96.5888

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.



111.7496, 87.2207, 208.8573



75.5321, 87.2207, 21.4486



70.6862, 87.2207, 247.8622

Square

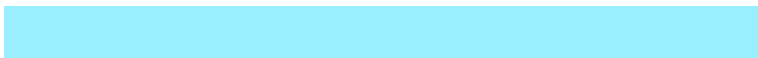
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5321, 87.2207, 21.4486



49.7689, 87.2207, 118.4340



90.7335, 87.2207, 255.6085



128.2003, 87.2207, 74.8272

Rectangle

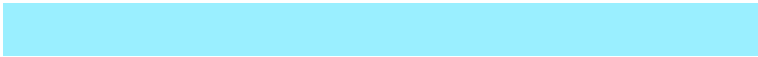
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.5321, 87.2207, 21.4486



52.8302, 87.2207, 49.9431



90.7335, 87.2207, 255.6085



122.6441, 87.2207, 161.1813

Sweetspot

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



75.5341, 87.2248, 21.4504



86.9502, 95.2418, 70.9275



46.6156, 28.6084, 14.2132



18.4028, 20.2571, 14.2249



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.



75.5341, 87.2248, 21.4504



73.8907, 85.6054, 15.7610



56.5344, 82.0398, 21.4510



19.4644, 20.8970, 19.1520



37.8717, 43.7546, 6.4494



3.7141, 4.3136, 0.6369

Inverse Universe

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



25.8886, 17.3355, 96.5888



21.1923, 11.4779, 95.7062



35.5314, 21.0549, 96.7985



17.0887, 17.5490, 22.7366



9.5540, 4.0175, 49.7065



0.9590, 0.4487, 4.8493

Previews

White Background



This preview shows how the XYZ color 75.5321, 87.2207, 21.4486 looks on a white background.

Color Contrast Check

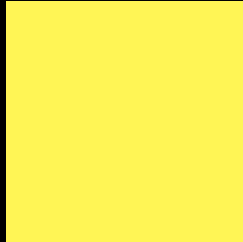
Large Text (above 18pt) WCAG AA × Fail

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 75.5321, 87.2207, 21.4486 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 75.5321, 87.2207, 21.4486

Background



This preview shows how black text looks on a background with the XYZ color 75.5321, 87.2207, 21.4486.



This preview shows how white text looks on a background with the XYZ color 75.5321, 87.2207,

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

75.5321, 87.2207, 21.4486

Protanopia

80.7406, 86.9164, 56.2371

Deuteranopia

84.0486, 86.8381, 77.9772



Tritanopia

87.2775, 87.2083, 97.8208

Trichromacy



Original Color

75.5321, 87.2207, 21.4486



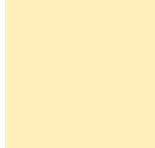
Protanomaly

78.1804, 86.8396, 39.8353



Deuteranomaly

79.5615, 86.4447, 50.0283



Tritanomaly

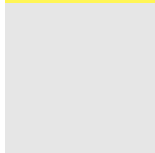
80.9694, 86.5382, 58.8904

Monochromacy



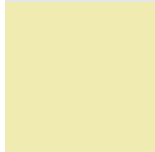
Original Color

75.5321, 87.2207, 21.4486



Achromatopsia

75.2129, 79.1298, 86.1723



Achromatomaly

73.2407, 80.9417, 53.3581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.5321, 87.2207, 21.4486 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, 85)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 85)  
}
```

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, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 85) }
```

Border

The CSS property to change the border of an element to XYZ 75.5321, 87.2207, 21.4486 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, 85) }
```


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

```
.border{ border-color:rgb(255, 245, 85) }
```

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, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 85);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 75.5321, 87.2207, 21.4486 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, 85) }
```

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

```
.background{ background-color: rgb(255,  
245, 85) }
```

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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