

Converting Colors

XYZ(73.8660, 82.4319, 25.3837)

Have a look what the booklet for
XYZ(73.8660, 82.4319, 25.3837)
contains.

XYZ(73.7853, 82.2708, 25.3556)	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(73.7853, 82.2708,
25.3556)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEC69
RGB	255, 236, 105
RGB Percent	100%, 93%, 41%
CMY	0.0000, 0.0745, 0.5882
CMYK	0.00, 0.07, 0.59, 0.00
HSL	52°, 100%, 71%
HSV	52°, 59%, 100%
XYZ	73.7853, 82.2708, 25.3556
YIQ	226.7470, 53.3750, -36.7130

Conversions

Conversions Part 2

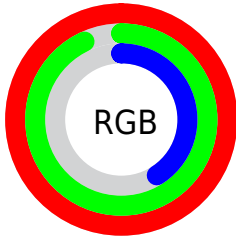
Format	Color
R_{YB}	127, 255, 105
Decimal	16772201
CIE _{Lab}	92.69, -8.98, 64.36
CIE _{LCh}	93, 64.981, 97.943
Yxy	82.2708, 0.4067, 0.4535
Android (android.graphics.Color)	4294962281 (0xFFFFEC69)
YUV	226.7470, -60.0213, 24.7779
Hunter-Lab	90.7033, -13.5245, 46.9181

Details

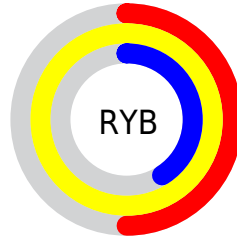
The XYZ color **73.7853, 82.2708, 25.3556** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **31.0834, 24.6380, 97.7248**, and the grayscale version is **73.2269, 77.0404, 83.8970**.

A 20% lighter version of the original color is **83.3452, 95.3181, 47.2632**, and **39.3813, 44.4664, 9.4130** is the 20% darker color. If you saturate the color by 10%, you get **71.7456, 79.9839, 19.1507**, and if you desaturate by 10%, it is **76.2386, 84.7562, 33.6383**.

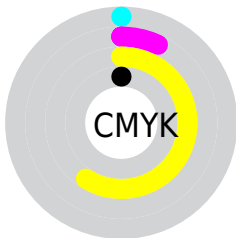
Distribution



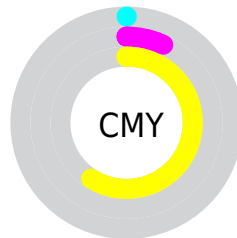
- Red (100%)
- Green (93%)
- Blue (41%)



- Red (50%)
- Yellow (100%)
- Blue (41%)



- Cyan (0%)
- Magenta (7%)
- Yellow (59%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 73.7853, 82.2708, 25.3556 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 73.7853, 82.2708, 25.3556 by changing the saturation by 10% instead.


 73.7853, 82.2708,
25.3556


 73.7853, 82.2708,
25.3556


462.7938,
502.5531, 293.1084


 54.9090, 61.5888,
16.1208


 123.5885,
136.5537, 53.2048


 39.5624, 44.7005,
9.4544


 155.2462,
170.9233, 72.6562

 27.3802, 31.2216,
4.9379


 191.8950,
210.6243, 96.3502

 17.9970, 20.7676,
2.1528

 233.9003,
256.0410, 124.7054

 11.0475, 12.9543,
0.6469

281.6275,
307.5579, 158.1403

 6.1664, 7.3971,
0.0000

335.4419,

 2.9881, 3.7116,

365.5592, 197.0734

0.0000

395.7089,
430.4295, 241.9232

■ 1.1475, 1.5136,
0.0000

■ 0.0643, 0.2983,
0.0000

■ 73.7853, 82.2708,
25.3556

■ 73.7853, 82.2708,
25.3556

■ 71.7456, 79.9839,
19.1507

■ 76.2386, 84.7562,
33.6383

■ 70.0772, 77.8691,
14.8273


■ 79.1315, 87.4414,
44.1614


■ 68.7390, 75.9131,
12.1603

■ 82.4947, 90.3420,
57.0774

■ 67.6683, 74.0905,
10.8207

■ 86.3545, 93.4684,
72.5238

 67.5503, 73.8808,
10.7001

 90.7349, 96.8306,
90.6276

95.0499, 99.9999,
108.9000

Harmonies

Analogous

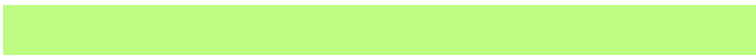
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.0618, 82.2708, 27.9970



73.7853, 82.2708, 25.3556



59.8474, 82.2708, 34.3560

Triad

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



73.7853, 82.2708, 25.3556



55.2410, 82.2708, 159.9591



112.3939, 82.2708, 129.3258

Complementary

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



73.7853, 82.2708, 25.3556



31.0834, 24.6380, 97.7248

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.



99.9568, 82.2708, 184.9913



73.7853, 82.2708, 25.3556



66.6028, 82.2708, 206.6691

Square

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



73.7853, 82.2708, 25.3556



50.1952, 82.2708, 103.0827



82.7789, 82.2708, 217.1894



115.0498, 82.2708, 77.3091

Rectangle

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



73.7853, 82.2708, 25.3556



53.7348, 82.2708, 48.6648



82.7789, 82.2708, 217.1894



109.1401, 82.2708, 148.6973

Sweetspot

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



73.7872, 82.2747, 25.3573



86.6948, 93.7360, 73.9101



49.9937, 32.8446, 23.1079



18.3019, 19.8623, 14.7867



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

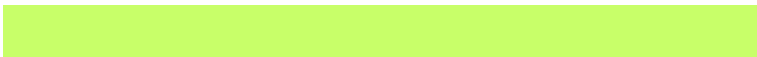
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.7872, 82.2747, 25.3573



71.3520, 79.5091, 18.0559



62.1296, 84.8193, 26.4629



19.3534, 20.6750, 19.1150



35.3736, 38.7584, 5.6167



3.4967, 3.8788, 0.5644

Inverse Universe

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



31.0834, 24.6380, 97.7248



25.1334, 17.2002, 96.6030



37.5996, 24.7978, 97.4122



17.1883, 17.7483, 22.7698



9.7626, 4.4348, 49.7760



1.0059, 0.5426, 4.8650

Previews

White Background



This preview shows how the XYZ color 73.7853, 82.2708, 25.3556 looks on a white background.

Color Contrast Check

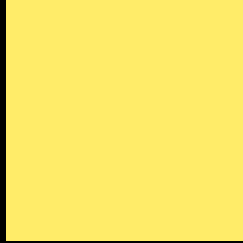
Large Text (above 18pt) WCAG AA × Fail

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 73.7853, 82.2708, 25.3556 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 73.7853, 82.2708, 25.3556

Background



This preview shows how black text looks on a background with the XYZ color 73.7853, 82.2708, 25.3556.

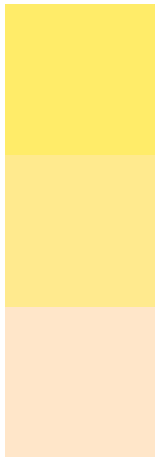


This preview shows how white text looks on a background with the XYZ color 73.7853, 82.2708,

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

73.7853, 82.2708, 25.3556

Protanopia

75.5453, 82.0586, 37.4484

Deuteranopia

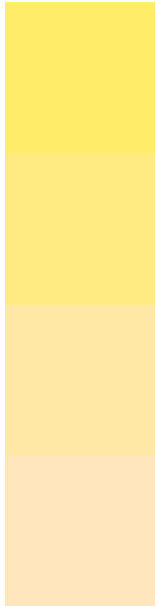
80.0794, 82.0707, 66.8789



Tritanopia

83.9951, 82.3126, 91.5817

Trichromacy



Original Color

73.7853, 82.2708, 25.3556

Protanomaly

74.9108, 82.2616, 32.6987

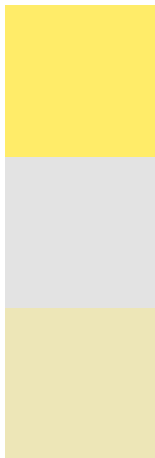
Deuteranomaly

76.9795, 81.7264, 47.7939

Tritanomaly

78.7221, 81.5278, 59.7314

Monochromacy



Original Color

73.7853, 82.2708, 25.3556

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.7691, 78.0171, 56.0759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.7853, 82.2708, 25.3556 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, 236, 105)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 105)  
}
```

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, 236, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 105) }
```

Border

The CSS property to change the border of an element to XYZ 73.7853, 82.2708, 25.3556 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, 236, 105) }
```


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

```
.border{ border-color:rgb(255, 236, 105) }
```

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

Here you see how a box with a 4 pixel rgb(255, 236, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 105);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 73.7853, 82.2708, 25.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 105) }
```

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

```
.background{ background-color: rgb(255,  
236, 105) }
```

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