

Converting Colors

XYZ(69.3555, 73.6790, 23.0550)

Have a look what the booklet for
XYZ(69.3555, 73.6790, 23.0550)
contains.

XYZ(69.4947, 73.9322, 23.1780)	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(69.4947, 73.9322,
23.1780)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDD66
RGB	255, 221, 102
RGB Percent	100%, 87%, 40%
CMY	0.0000, 0.1333, 0.6000
CMYK	0.00, 0.13, 0.60, 0.00
HSL	47°, 100%, 70%
HSV	47°, 60%, 100%
XYZ	69.4947, 73.9322, 23.1780
YIQ	217.6000, 58.4630, -29.8010

Conversions

Conversions Part 2

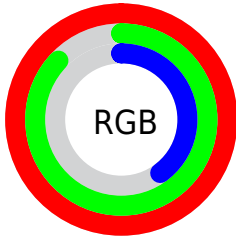
Format	Color
R_{YB}	146, 255, 102
Decimal	16768358
CIE _{Lab}	88.89, -1.67, 61.43
CIE _{LCh}	89, 61.451, 91.557
Yxy	73.9322, 0.4171, 0.4438
Android (android.graphics.Color)	4294958438 (0xFFFFDD66)
YUV	217.6000, -56.9908, 32.7998
Hunter-Lab	85.9838, -6.2027, 44.2063

Details

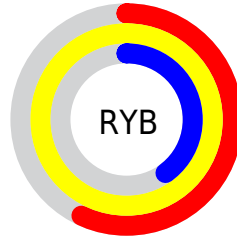
The XYZ color **69.4947, 73.9322, 23.1780** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **32.3334, 27.6522, 98.2404**, and the grayscale version is **66.7185, 70.1930, 76.4402**.

A 20% lighter version of the original color is **83.0858, 95.2143, 45.8974**, and **36.6550, 39.0798, 8.3005** is the 20% darker color. If you saturate the color by 10%, you get **66.9493, 70.5635, 17.0212**, and if you desaturate by 10%, it is **72.4830, 77.5644, 31.4023**.

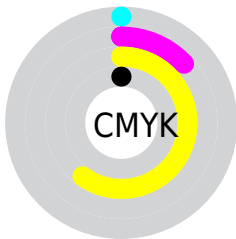
Distribution



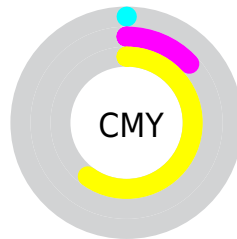
- Red (100%)
- Green (87%)
- Blue (40%)



- Red (57%)
- Yellow (100%)
- Blue (40%)



- Cyan (0%)
- Magenta (13%)
- Yellow (60%)
- Black (0%)



- Cyan (0%)
- Magenta (13%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.4947, 73.9322, 23.1780 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 69.4947, 73.9322, 23.1780 by changing the saturation by 10% instead.

69.4947, 73.9322,
23.1780

69.4947, 73.9322,
23.1780

448.0679,
474.2393, 281.7894

51.3928, 54.7385,
14.5185

117.5181,
124.7997, 49.6123

36.7436, 39.1924,
8.3393

148.1703,
157.2423, 68.2242

25.1818, 26.9095,
4.2219

183.7366,
194.8701, 90.9906

16.3420, 17.5052,
1.7479

224.5825,
238.0673, 118.3301

9.8589, 10.5954,
0.3932

271.0732,
287.2185, 150.6611

5.3670, 5.7955,
0.0000

323.5741,

2.5011, 2.7211,

342.7079, 188.4024

0.0000

382.4505,
404.9201, 231.9723

■ 0.8958, 0.9879,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 69.4947, 73.9322,
23.1780

■ 69.4947, 73.9322,
23.1780

■ 66.9493, 70.5635,
17.0212

■ 72.4830, 77.5644,
31.4023

■ 64.8040, 67.4321,
12.7326

■ 75.9416, 81.4635,
41.8600

■ 63.0160, 64.5227,
10.0813

■ 79.9018, 85.6456,
54.7050

■ 61.5127, 61.8057,
8.6877

■ 84.3904, 90.1220,
70.0763

■ 61.5125, 61.8053,
8.6876

■ 89.4322, 94.9036,
88.1024

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.



84.8199, 73.9322, 27.7561



69.4947, 73.9322, 23.1780



56.3162, 73.9322, 28.8669

Triad

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



69.4947, 73.9322, 23.1780



48.5731, 73.9322, 131.5353



98.5957, 73.9322, 126.2503

Complementary

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



69.4947, 73.9322, 23.1780



32.3334, 27.6522, 98.2404

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.



86.3578, 73.9322, 172.6256



69.4947, 73.9322, 23.1780



57.4877, 73.9322, 176.3599

Square

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



69.4947, 73.9322, 23.1780



45.3432, 73.9322, 82.7498



71.0517, 73.9322, 193.5475



102.9807, 73.9322, 78.2905

Rectangle

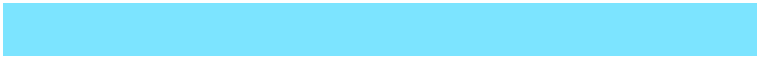
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.4947, 73.9322, 23.1780



50.1328, 73.9322, 39.4993



71.0517, 73.9322, 193.5475



95.1860, 73.9322, 143.0572

Sweetspot

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



69.4964, 73.9357, 23.1795



85.3535, 91.0534, 73.4630



50.5574, 32.5897, 27.5578



17.9707, 19.1999, 14.6763



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.



69.4964, 73.9357, 23.1795



66.4894, 69.9185, 16.0200



65.9483, 86.8053, 25.8506



19.1988, 20.3657, 19.0634



32.2580, 32.5272, 4.5782



3.2211, 3.3276, 0.4725

Inverse Universe

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



32.3334, 27.6522, 98.2404



26.4934, 20.2056, 97.1115



34.0951, 22.5454, 97.1619



17.3302, 18.0321, 22.8171



10.2770, 5.4636, 49.9475



1.0776, 0.6858, 4.8889

Previews

White Background



This preview shows how the XYZ color 69.4947, 73.9322, 23.1780 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 69.4947, 73.9322, 23.1780 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 69.4947, 73.9322, 23.1780

Background



This preview shows how black text looks on a background with the XYZ color 69.4947, 73.9322, 23.1780.



This preview shows how white text looks on a background with the XYZ color 69.4947, 73.9322,

23.1780.

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

69.4947, 73.9322, 23.1780

Protanopia

67.8152, 74.2470, 23.5888

Deuteranopia

73.1207, 73.7129, 47.4199



Tritanopia

78.2380, 73.7288, 80.6285

Trichromacy



Original Color

69.4947, 73.9322, 23.1780

Protanomaly

68.6195, 74.2639, 23.5497

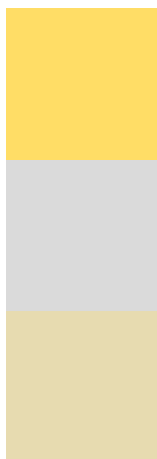
Deuteranomaly

71.3454, 73.4164, 36.7960

Tritanomaly

73.7787, 73.1562, 53.4120

Monochromacy



Original Color

69.4947, 73.9322, 23.1780

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.1230, 70.7865, 51.2524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.4947, 73.9322, 23.1780 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, 221, 102)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 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, 221, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 102) }
```

Border

The CSS property to change the border of an element to XYZ 69.4947, 73.9322, 23.1780 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, 221, 102) }
```


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

```
.border{ border-color:rgb(255, 221, 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, 221, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 102);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 69.4947, 73.9322, 23.1780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 102) }
```

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

```
.background{ background-color: rgb(255,  
221, 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