

Converting Colors

XYZ(74.8961, 69.6940, 25.0713)

Have a look what the booklet for
XYZ(74.8961, 69.6940, 25.0713)
contains.

XYZ(65.3412, 64.6933, 24.6660)	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(65.3412, 64.6933,
24.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCA71
RGB	255, 202, 113
RGB Percent	100%, 79%, 44%
CMY	0.0000, 0.2078, 0.5569
CMYK	0.00, 0.21, 0.56, 0.00
HSL	38°, 100%, 72%
HSV	38°, 56%, 100%
XYZ	65.3412, 64.6933, 24.6660
YIQ	207.7010, 60.1570, -16.4430

Conversions

Conversions Part 2

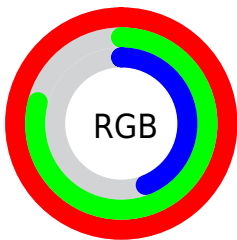
Format	Color
R_{YB}	198, 255, 113
Decimal	16763505
CIE _{Lab}	84.33, 8.85, 51.05
CIE _{LCh}	84, 51.816, 80.168
Yxy	64.6933, 0.4224, 0.4182
Android (android.graphics.Color)	4294953585 (0xFFFFCA71)
YUV	207.7010, -46.6876, 41.4812
Hunter-Lab	80.4321, 4.2530, 38.1201

Details

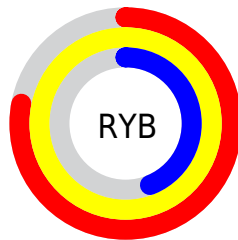
The XYZ color **65.3412, 64.6933, 24.6660** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **38.4958, 38.0017, 99.9136**, and the grayscale version is **60.0274, 63.1535, 68.7742**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **33.9379, 33.1188, 9.0187** is the 20% darker color. If you saturate the color by 10%, you get **61.9382, 59.8712, 17.4167**, and if you desaturate by 10%, it is **69.2883, 69.9584, 34.0874**.

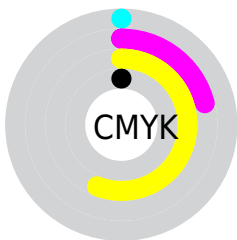
Distribution



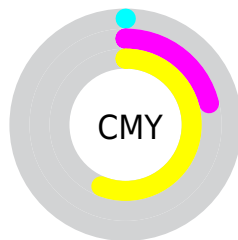
- Red (100%)
- Green (79%)
- Blue (44%)



- Red (78%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (21%)
- Yellow (56%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 65.3412, 64.6933, 24.6660 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 65.3412, 64.6933, 24.6660 by changing the saturation by 10% instead.


 65.3412, 64.6933,
24.6660


 65.3412, 64.6933,
24.6660


433.5429,
441.6890, 289.5647


 48.0035, 47.2124,
15.6116


 111.6032,
111.6088, 52.0722

 34.0409, 33.2036,
9.0984


 141.2583,
141.8122, 71.2612

 23.0881, 22.2825,
4.7077


 175.7499,
177.0253, 94.6654

 14.7796, 14.0646,
2.0211

215.4433,
217.6324, 122.7035

 8.7502, 8.1656,
0.5682

260.7040,
264.0179, 155.7939

 4.6344, 4.2011,
0.0000

311.8973,

 2.0669, 1.7867,

316.5663, 194.3552

0.0000

369.3885,
375.6618, 238.8060

■ 0.6711, 0.4789,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.3412, 64.6933,
24.6660

■ 65.3412, 64.6933,
24.6660

■ 61.9382, 59.8712,
17.4167

■ 69.2883, 69.9584,
34.0874

■ 59.0375, 55.4638,
12.1518

■ 73.8079, 75.6742,
45.8397

■ 56.5974, 51.4531,
8.6580

■ 78.9317, 81.8596,
60.0709

■ 54.5651, 47.8137,
6.6698

■ 84.6874, 88.5294,
76.9160

■ 53.7820, 46.3441,
6.1107

■ 91.1009, 95.6974,
96.4998

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.



76.7615, 64.6933, 32.1537



65.3412, 64.6933, 24.6660



54.1789, 64.6933, 26.1616

Triad

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



65.3412, 64.6933, 24.6660



42.9872, 64.6933, 94.5964



80.0724, 64.6933, 119.2654

Complementary

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



65.3412, 64.6933, 24.6660



38.4958, 38.0017, 99.9136

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.



69.4288, 64.6933, 148.1354



65.3412, 64.6933, 24.6660



48.3898, 64.6933, 131.0910

Square

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



65.3412, 64.6933, 24.6660



42.1805, 64.6933, 60.1739



57.7913, 64.6933, 153.0331



85.9401, 64.6933, 81.8120

Rectangle

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



65.3412, 64.6933, 24.6660



48.3053, 64.6933, 32.2952



57.7913, 64.6933, 153.0331



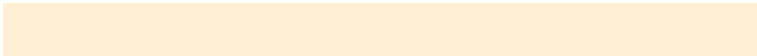
76.8766, 64.6933, 130.7306

Sweetspot

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



65.3427, 64.6964, 24.6673



83.8939, 87.6246, 74.5477



54.1606, 35.8769, 40.8407



17.7018, 18.4628, 15.2011



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.



65.3427, 64.6964, 24.6673



61.5291, 59.2684, 16.6154



74.1462, 90.9643, 29.2735



18.9582, 19.8845, 18.9832



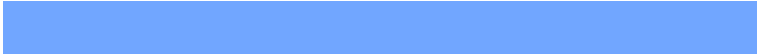
28.2503, 24.5119, 3.2423



2.8555, 2.5964, 0.3507

Inverse Universe

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



38.4958, 38.0017, 99.9136



32.2955, 30.2636, 98.7470



33.0953, 23.7426, 97.4459



17.5583, 18.4883, 22.8931



11.7086, 8.3268, 50.4247



1.2407, 1.0120, 4.9432

Previews

White Background



This preview shows how the XYZ color 65.3412, 64.6933, 24.6660 looks on a white background.

Color Contrast Check

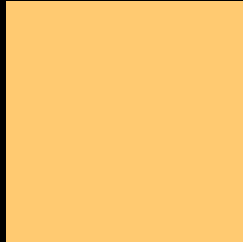
Large Text (above 18pt) WCAG AA × Fail

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 65.3412, 64.6933, 24.6660 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 65.3412, 64.6933, 24.6660

Background



This preview shows how black text looks on a background with the XYZ color 65.3412, 64.6933, 24.6660.



This preview shows how white text looks on a background with the XYZ color 65.3412, 64.6933,

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

65.3412, 64.6933, 24.6660

Protanopia

59.7254, 65.0053, 25.9224

Deuteranopia

65.7018, 64.4633, 27.7187



Tritanopia

72.0176, 64.7952, 67.7425

Trichromacy



Original Color

65.3412, 64.6933, 24.6660

Protanomaly

61.5856, 64.8748, 25.4958

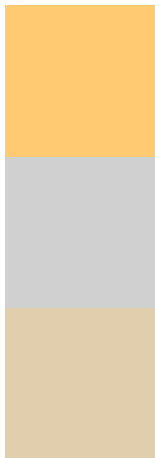
Deuteranomaly

65.4564, 64.3652, 26.4266

Tritanomaly

68.9769, 64.6653, 48.3813

Monochromacy



Original Color

65.3412, 64.6933, 24.6660

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

60.6655, 63.1673, 48.5303

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.3412, 64.6933, 24.6660 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, 202, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 113)  
}
```

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, 202, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 113) }
```

Border

The CSS property to change the border of an element to XYZ 65.3412, 64.6933, 24.6660 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, 202, 113) }
```


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

```
.border{ border-color:rgb(255, 202, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 65.3412, 64.6933, 24.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 113) }
```

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

```
.background{ background-color: rgb(255,  
202, 113) }
```

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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