

Converting Colors

XYZ(89.9854, 76.8770, 28.1313)

Have a look what the booklet for
XYZ(89.9854, 76.8770, 28.1313)
contains.

XYZ(65.5778, 64.4138, 27.0659)	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(65.5778, 64.4138,
27.0659)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC979
RGB	255, 201, 121
RGB Percent	100%, 79%, 47%
CMY	0.0000, 0.2117, 0.5255
CMYK	0.00, 0.21, 0.53, 0.00
HSL	36°, 100%, 74%
HSV	36°, 53%, 100%
XYZ	65.5778, 64.4138, 27.0659
YIQ	208.0260, 57.8640, -13.4320

Conversions

Conversions Part 2

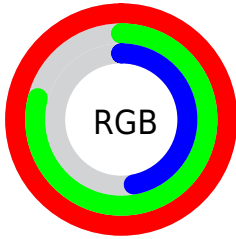
Format	Color
R_{YB}	211, 255, 121
Decimal	16763257
CIE _{Lab}	84.18, 10.00, 46.97
CIE _{LCh}	84, 48.026, 77.977
Yxy	64.4138, 0.4175, 0.4101
Android (android.graphics.Color)	4294953337 (0xFFFFC979)
YUV	208.0260, -42.9038, 41.1962
Hunter-Lab	80.2582, 5.3979, 36.1861

Details

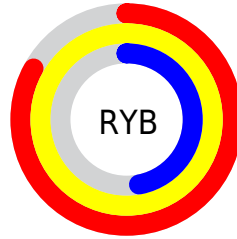
The XYZ color **65.5778, 64.4138, 27.0659** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.2643, 41.9430, 100.5282**, and the grayscale version is **60.2157, 63.3516, 68.9899**.

A 20% lighter version of the original color is **84.7379, 95.8751, 54.5970**, and **34.0449, 32.9117, 10.3526** is the 20% darker color. If you saturate the color by 10%, you get **61.9006, 59.2401, 19.1185**, and if you desaturate by 10%, it is **69.8316, 70.0795, 37.2456**.

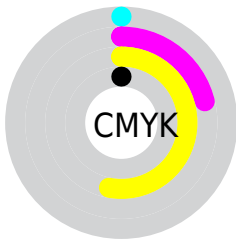
Distribution



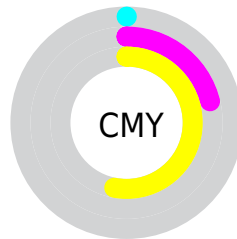
- Red (100%)
- Green (79%)
- Blue (47%)



- Red (83%)
- Yellow (100%)
- Blue (47%)



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)
- Black (0%)



- Cyan (0%)
- Magenta (21%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.5778, 64.4138, 27.0659 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 65.5778, 64.4138, 27.0659 by changing the saturation by 10% instead.


 65.5778, 64.4138,
27.0659


 65.5778, 64.4138,
27.0659


434.3779,
440.6824, 301.7463


 48.1962, 46.9859,
17.3898


 111.9412,
111.2067, 55.9946

 34.1942, 33.0245,
10.3479


 141.6538,
141.3404, 76.0844

 23.2064, 22.1452,
5.5216


 176.2073,
176.4783, 100.4824

 14.8675, 13.9636,
2.4924

215.9673,
217.0046, 129.6073

 8.8122, 8.0954,
0.8361

261.2989,
263.3037, 163.8776

 4.6750, 4.1560,
0.0000

312.5677,

 2.0906, 1.7612,

315.7602, 203.7119

0.0000

370.1389,
374.7583, 249.5286

■ 0.6841, 0.4628,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 65.5778, 64.4138,
27.0659

■ 65.5778, 64.4138,
27.0659

■ 61.9006, 59.2401,
19.1185

■ 69.8316, 70.0795,
37.2456

■ 58.7590, 54.5295,
13.2230

■ 74.6900, 76.2459,
49.8111

■ 56.1128, 50.2633,
9.1770

■ 80.1847, 82.9326,
64.9068

■ 53.9121, 46.4164,
6.7340

■ 86.3431, 90.1553,
82.6644

■ 52.5087, 43.7978,
5.6863

■ 93.1913, 97.9290,
103.2062

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.



75.9416, 64.4138, 35.0337



65.5778, 64.4138, 27.0659



55.1325, 64.4138, 27.9082

Triad

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



65.5778, 64.4138, 27.0659



43.7760, 64.4138, 89.7861



77.6871, 64.4138, 117.0413

Complementary

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



65.5778, 64.4138, 27.0659



41.2643, 41.9430, 100.5282

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.



67.7471, 64.4138, 141.7977



65.5778, 64.4138, 27.0659



48.5414, 64.4138, 123.1920

Square

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



65.5778, 64.4138, 27.0659



43.3383, 64.4138, 58.6416



57.0661, 64.4138, 144.3275



83.4552, 64.4138, 83.0413

Rectangle

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



65.5778, 64.4138, 27.0659



49.4939, 64.4138, 33.3889



57.0661, 64.4138, 144.3275



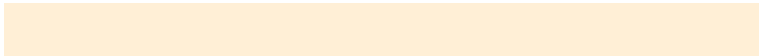
74.6735, 64.4138, 127.0970

Sweetspot

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



65.5793, 64.4169, 27.0672



84.1410, 87.6010, 76.2263



55.9967, 38.1029, 45.9117



17.7368, 18.4308, 15.5271



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.



65.5793, 64.4169, 27.0672



61.7477, 59.0176, 18.8093



76.4614, 92.1034, 31.8377



18.9113, 19.7908, 18.9676



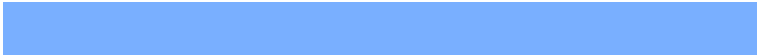
27.5873, 23.1859, 3.0213



2.7932, 2.4719, 0.3299

Inverse Universe

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



41.2643, 41.9430, 100.5282



35.1143, 34.4427, 99.4051



34.4297, 25.8144, 97.7753



17.6038, 18.5792, 22.9083



12.0897, 9.0890, 50.5517



1.2808, 1.0923, 4.9566

Previews

White Background



This preview shows how the XYZ color 65.5778, 64.4138, 27.0659 looks on a white background.

Color Contrast Check

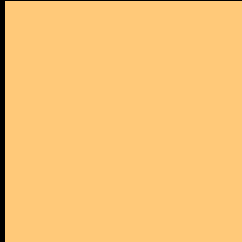
Large Text (above 18pt) WCAG AA × Fail

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 65.5778, 64.4138, 27.0659 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 65.5778, 64.4138, 27.0659

Background



This preview shows how black text looks on a background with the XYZ color 65.5778, 64.4138, 27.0659.



This preview shows how white text looks on a background with the XYZ color 65.5778, 64.4138,

27.0659.

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

65.5778, 64.4138, 27.0659

Protanopia

59.3178, 64.3714, 28.3673

Deuteranopia

65.7647, 64.4885, 28.0501



Tritanopia

71.6724, 64.2998, 67.0261

Trichromacy



Original Color

65.5778, 64.4138, 27.0659

Protanomaly

61.4846, 64.4064, 27.9300

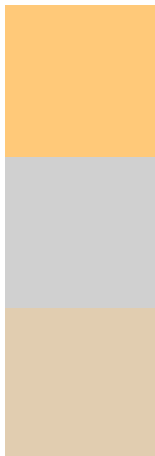
Deuteranomaly

65.7018, 64.4633, 27.7187

Tritanomaly

68.9441, 64.2877, 49.3324

Monochromacy



Original Color

65.5778, 64.4138, 27.0659

Achromatopsia

59.9535, 63.0757, 68.6895

Achromatomaly

60.7191, 62.8048, 49.9966

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.5778, 64.4138, 27.0659 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, 201, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 121)  
}
```

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, 201, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 121) }
```

Border

The CSS property to change the border of an element to XYZ 65.5778, 64.4138, 27.0659 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, 201, 121) }
```


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

```
.border{ border-color:rgb(255, 201, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 65.5778, 64.4138, 27.0659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 121) }
```

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

```
.background{ background-color: rgb(255,  
201, 121) }
```

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