

Converting Colors

XYZ(77.3226, 69.0474, 30.0206)

Have a look what the booklet for
XYZ(77.3226, 69.0474, 30.0206)
contains.

XYZ(65.1687, 62.7775, 29.4514) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(65.1687, 62.7775,
29.4514)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC581
RGB	255, 197, 129
RGB Percent	100%, 77%, 51%
CMY	0.0000, 0.2274, 0.4941
CMYK	0.00, 0.23, 0.49, 0.00
HSL	32°, 100%, 75%
HSV	32°, 49%, 100%
XYZ	65.1687, 62.7775, 29.4514
YIQ	206.5900, 56.3960, -8.8520

Conversions

Conversions Part 2

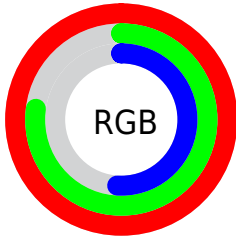
Format	Color
R_{YB}	236, 255, 129
Decimal	16762241
CIE _{Lab}	83.33, 12.77, 41.91
CIE _{LCh}	83, 43.809, 73.051
Yxy	62.7775, 0.4140, 0.3988
Android (android.graphics.Color)	4294952321 (0xFFFFC581)
YUV	206.5900, -38.2519, 42.4556
Hunter-Lab	79.2323, 8.1602, 33.4239

Details

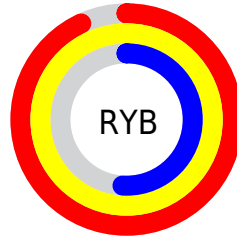
The XYZ color **65.1687, 62.7775, 29.4514** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **44.8728, 47.4258, 101.3965**, and the grayscale version is **59.2586, 62.3446, 67.8933**.

A 20% lighter version of the original color is **85.2291, 95.5625, 58.7531**, and **33.9626, 31.9307, 11.5810** is the 20% darker color. If you saturate the color by 10%, you get **61.1188, 57.0603, 20.7569**, and if you desaturate by 10%, it is **69.8521, 69.0850, 40.4447**.

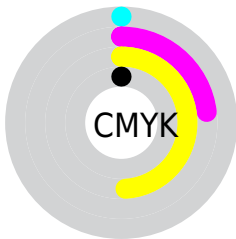
Distribution



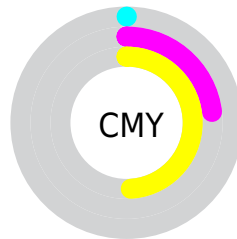
- Red (100%)
- Green (77%)
- Blue (51%)



- Red (93%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (23%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (23%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.1687, 62.7775, 29.4514 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 65.1687, 62.7775, 29.4514 by changing the saturation by 10% instead.


 65.1687, 62.7775,
29.4514

 65.1687, 62.7775,
29.4514


432.9336,
434.7615, 313.4662


 47.8631, 45.6612,
19.1741


 111.3567,
108.8484, 59.8442

 33.9293, 31.9786,
11.6180


 140.9698,
138.5719, 80.7968

 23.0019, 21.3451,
6.3648


 175.4162,
173.2666, 106.1448

 14.7156, 13.3765,
2.9958

215.0611,
213.3168, 136.3069

 8.7051, 7.6883,
1.0925

260.2699,
259.1070, 171.7015

 4.6049, 3.8962,
0.0000

311.4081,

 2.0497, 1.6157,

311.0216, 212.7472

0.0000

368.8408,
369.4450, 259.8626

0.6616, 0.3681,
0.0000

0.0000, 0.0000,
0.0000

65.1687, 62.7775,
29.4514

65.1687, 62.7775,
29.4514

61.1188, 57.0603,
20.7569

69.8521, 69.0850,
40.4447

57.6611, 51.9020,
14.1872

75.1978, 75.9943,
53.8861

54.7555, 47.2813,
9.5487

81.2379, 83.5277,
69.9166

52.3535, 43.1707,
6.6105

88.0009, 91.7034,
88.6652

■ 50.3829, 39.5328, 95.0499, 99.9999,
5.0183 108.9000

■ 50.2755, 39.3311,
4.9419

Harmonies

Analogous

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



74.0791, 62.7775, 38.4325



65.1687, 62.7775, 29.4514



55.6265, 62.7775, 28.9278

Triad

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



65.1687, 62.7775, 29.4514



43.5438, 62.7775, 80.8982



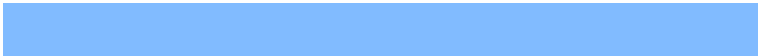
73.0663, 62.7775, 114.3007

Complementary

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



65.1687, 62.7775, 29.4514



44.8728, 47.4258, 101.3965

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.



63.9010, 62.7775, 133.2517



65.1687, 62.7775, 29.4514



47.2589, 62.7775, 110.7836

Square

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



65.1687, 62.7775, 29.4514



43.8056, 62.7775, 54.1736



54.4861, 62.7775, 131.8160



78.9608, 62.7775, 84.8153

Rectangle

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



65.1687, 62.7775, 29.4514



50.2252, 62.7775, 33.1382



54.4861, 62.7775, 131.8160



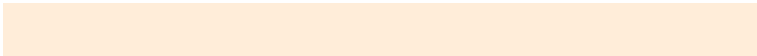
70.2261, 62.7775, 122.4264

Sweetspot

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



65.1702, 62.7805, 29.4526



84.1305, 87.0539, 77.8442



58.1460, 40.5833, 52.2333



17.7077, 18.2691, 15.8366



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.



65.1702, 62.7805, 29.4526



61.2735, 57.2842, 21.0712



79.4340, 93.5768, 34.6451



18.8216, 19.6113, 18.9377



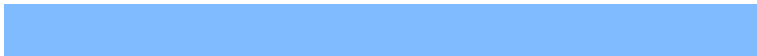
26.4213, 20.8538, 2.6326



2.6819, 2.2491, 0.2928

Inverse Universe

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



44.8728, 47.4258, 101.3965



38.9200, 40.3901, 100.3525



35.6053, 27.9241, 98.1207



17.6919, 18.7555, 22.9377



12.9234, 10.7564, 50.8296



1.3661, 1.2629, 4.9850

Previews

White Background



This preview shows how the XYZ color 65.1687, 62.7775, 29.4514 looks on a white background.

Color Contrast Check

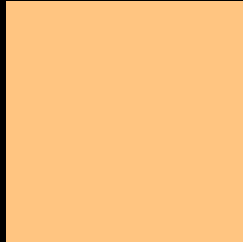
Large Text (above 18pt) WCAG AA × Fail

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 65.1687, 62.7775, 29.4514 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 65.1687, 62.7775, 29.4514

Background



This preview shows how black text looks on a background with the XYZ color 65.1687, 62.7775, 29.4514.



This preview shows how white text looks on a background with the XYZ color 65.1687, 62.7775,

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

65.1687, 62.7775, 29.4514

Protanopia

58.1535, 62.9740, 31.2805

Deuteranopia

64.1695, 62.9411, 29.5356



Tritanopia

70.6503, 62.8334, 64.9043

Trichromacy



Original Color

65.1687, 62.7775, 29.4514

Protanomaly

60.6828, 62.8562, 30.7639

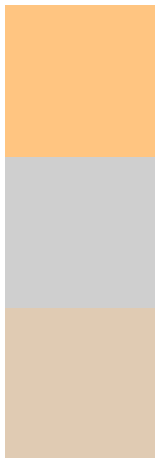
Deuteranomaly

64.3014, 62.6686, 29.4761

Tritanomaly

68.1464, 62.5345, 49.5530

Monochromacy



Original Color

65.1687, 62.7775, 29.4514

Achromatopsia

59.3074, 62.3960, 67.9493

Achromatomaly

60.2331, 61.8138, 51.4045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.1687, 62.7775, 29.4514 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, 197, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 197, 129)  
}
```

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, 197, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 197, 129) }
```

Border

The CSS property to change the border of an element to XYZ 65.1687, 62.7775, 29.4514 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, 197, 129) }
```


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

```
.border{ border-color:rgb(255, 197, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 197, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 197, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 197, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 197,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 65.1687, 62.7775, 29.4514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 197, 129) }
```

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

```
.background{ background-color: rgb(255,  
197, 129) }
```

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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