

# Converting Colors

XYZ(62.9466, 64.6731, 9.1655)

Have a look what the booklet for  
XYZ(62.9466, 64.6731, 9.1655)  
contains.

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# Color

**XYZ(62.8329, 64.4457,  
9.1276)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCC00
RGB	255, 204, 0
RGB Percent	100%, 80%, 0%
CMY	0.0000, 0.2000, 0.9999
CMYK	0.00, 0.20, 1.00, 0.00
HSL	48°, 100%, 50%
HSV	48°, 100%, 100%
XYZ	62.8329, 64.4457, 9.1276
YIQ	195.9930, 95.8800, -52.6320

# Conversions

## Conversions Part 2

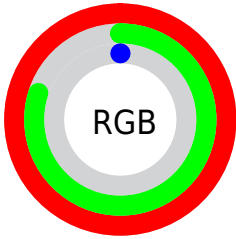
<b>Format</b>	<b>Color</b>
<b>RYB</b>	64, 255, 0
Decimal	16763904
CIELab	84.20, 3.68, 85.22
CIELCh	84, 85.302, 87.527
Yxy	64.4457, 0.4606, 0.4725
Android (android.graphics.Color)	4294953984 (0xFFFFCC00)
YUV	195.9930, -96.6245, 51.7491
Hunter-Lab	80.2781, -0.7764, 49.4534

# Details

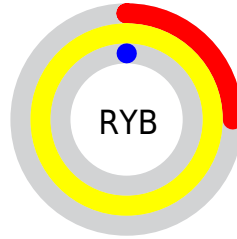
The XYZ color **62.8329, 64.4457, 9.1276** is a light color, and the websafe version is hex **FFCC00**, and the color name is **tangerine yellow**. The color can be described as light saturated yellow. A complement of this color would be **19.2348, 9.5892, 95.4442**, and the grayscale version is **52.9897, 55.7493, 60.7110**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **32.8987, 33.1501, 4.6647** is the 20% darker color. If you saturate the color by 10%, you get **62.8330, 64.4465, 9.1278**, and if you desaturate by 10%, it is **64.2475, 66.9856, 10.4929**.

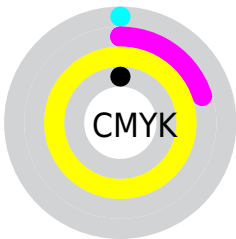
# Distribution



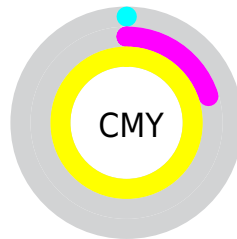
- Red (100%)
- Green (80%)
- Blue (0%)



- Red (25%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (20%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 62.8329, 64.4457, 9.1276 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 62.8329, 64.4457, 9.1276 by changing the saturation by 10% instead.





 62.8329, 64.4457,  
9.1276

 62.8329, 64.4457,  
9.1276


424.6321,  
440.7974, 194.5799

 45.9642, 47.0118,  
4.7266


 108.0116,  
111.2526, 24.7228


 32.4221, 33.0449,  
2.0318


 137.0522,  
141.3943, 36.7540

 21.8412, 22.1609,  
0.5747


 170.8809,  
176.5407, 52.1656

 13.8562, 13.9752,  
0.0000

 209.8630,  
217.0763, 71.3763

 8.1017, 8.1034,  
0.0000

 254.3638,  
263.3853, 94.8046

 4.2125, 4.1612,  
0.0000

 304.7486,

 1.8230, 1.7641,

315.8522, 122.8689

0.0000

361.3830,  
374.8615, 155.9878

■ 0.5315, 0.4647,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.8329, 64.4457,  
9.1276

■ 62.8329, 64.4457,  
9.1276

■ 62.8330, 64.4465,  
9.1278

■ 64.2475, 66.9856,  
10.4929

■ 65.9366, 69.6967,  
13.1124

■ 67.9740, 72.6118,  
17.3663

■ 70.4040, 75.7493,  
23.4871

■ 73.2641, 79.1246,  
31.6694

■ 76.5869, 82.7514,  
42.0835

■ 80.4016, 86.6419,  
54.8818

■ 84.7350, 90.8073,  
70.2033

■ 89.6118, 95.2581,  
88.1764

# Harmonies

## Analogous

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



82.8798, 64.4457, 13.9350



62.8329, 64.4457, 9.1276



45.9638, 64.4457, 12.4636

# Triad

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



62.8329, 64.4457, 9.1276



34.3760, 64.4457, 130.0090



97.2595, 64.4457, 142.0813

# Complementary

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



62.8329, 64.4457, 9.1276



19.2348, 9.5892, 95.4442

# 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.



79.6061, 64.4457, 208.6030



62.8329, 64.4457, 9.1276



43.7605, 64.4457, 199.4682

# Square

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



62.8329, 64.4457, 9.1276



31.6772, 64.4457, 65.7809



59.7012, 64.4457, 233.6750



105.1409, 64.4457, 74.7510



# Rectangle

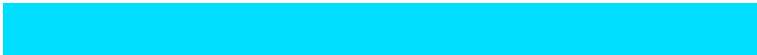
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.8329, 64.4457, 9.1276



38.1933, 64.4457, 20.7833



59.7012, 64.4457, 233.6750



92.1144, 64.4457, 166.3616

# Sweetspot

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



62.8343, 64.4489, 9.1289



80.3983, 86.6386, 54.8687



41.8380, 21.4996, 5.0789



16.8511, 18.1861, 10.5252



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.



62.8343, 64.4489, 9.1289



62.8335, 64.4469, 9.1278



54.2365, 81.0446, 12.7853



19.2345, 20.4372, 19.0753



32.9403, 33.8919, 4.8056



3.2820, 3.4493, 0.4928



# Inverse Universe

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



19.2348, 9.5892, 95.4442



19.2337, 9.5874, 95.4446



21.0719, 8.7782, 95.1909



17.2971, 17.9659, 22.8061



10.1326, 5.1748, 49.8994



1.0591, 0.6488, 4.8827



# Previews

## White Background



This preview shows how the XYZ color 62.8329, 64.4457, 9.1276 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 62.8329, 64.4457, 9.1276 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 62.8329, 64.4457, 9.1276**

## **Background**



This preview shows how black text looks on a background with the XYZ color 62.8329, 64.4457, 9.1276.



This preview shows how white text looks on a background with the XYZ color 62.8329, 64.4457,



# 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

62.8329, 64.4457, 9.1276

### Protanopia

58.2797, 64.6172, 9.7173

### Deuteranopia

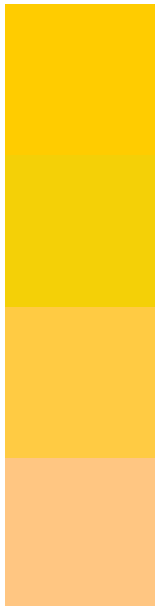
64.9620, 64.5417, 22.6696



## Tritanopia

71.5512, 64.2514, 66.3882

# Trichromacy



## Original Color

62.8329, 64.4457, 9.1276

## Protanomaly

59.9025, 64.3602, 9.4666

## Deuteranomaly

63.6091, 64.3771, 14.3837

## Tritanomaly

65.4633, 63.2599, 29.8792

# Monochromacy



## Original Color

62.8329, 64.4457, 9.1276

## Achromatopsia

52.4687, 55.2011, 60.1140

## Achromatomaly

52.7404, 57.0792, 27.6397

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 62.8329, 64.4457, 9.1276 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, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 0)  
}
```

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, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 62.8329, 64.4457, 9.1276 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, 204, 0) }
```



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

```
.border{ border-color:rgb(255, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 62.8329, 64.4457, 9.1276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 0) }
```

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

```
.background{ background-color: rgb(255,  
204, 0) }
```

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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