

Converting Colors

XYZ(63.0973, 64.9747, 9.2158)

Have a look what the booklet for
XYZ(63.0973, 64.9747, 9.2158)
contains.

XYZ(63.0713, 64.9226, 9.2071)	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(63.0713, 64.9226,
9.2071)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCD00
RGB	255, 205, 0
RGB Percent	100%, 80%, 0%
CMY	0.0000, 0.1961, 0.9999
CMYK	0.00, 0.20, 1.00, 0.00
HSL	48°, 100%, 50%
HSV	48°, 100%, 100%
XYZ	63.0713, 64.9226, 9.2071
YIQ	196.5800, 95.6050, -53.1550

Conversions

Conversions Part 2

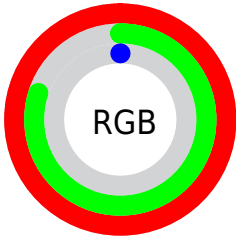
Format	Color
RYB	62, 255, 0
Decimal	16764160
CIELab	84.44, 3.17, 85.39
CIELCh	84, 85.453, 87.876
Yxy	64.9226, 0.4597, 0.4732
Android (android.graphics.Color)	4294954240 (0xFFFFCD00)
YUV	196.5800, -96.9139, 51.2343
Hunter-Lab	80.5746, -1.2811, 49.6272

Details

The XYZ color **63.0713, 64.9226, 9.2071** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **19.1915, 9.5028, 95.4297**, and the grayscale version is **53.3462, 56.1244, 61.1194**.

A 20% lighter version of the original color is **78.7203, 93.4681, 22.9090**, and **33.0589, 33.4707, 4.7181** is the 20% darker color. If you saturate the color by 10%, you get **63.0714, 64.9234, 9.2072**, and if you desaturate by 10%, it is **64.4691, 67.4287, 10.5668**.

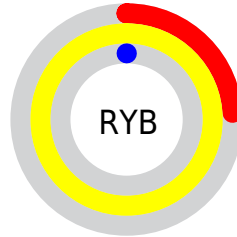
Distribution



Red (100%)

Green (80%)

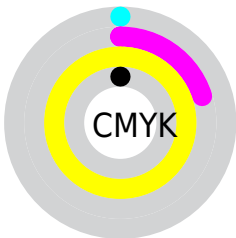
Blue (0%)



Red (24%)

Yellow (100%)

Blue (0%)

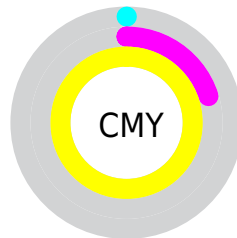


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.0713, 64.9226, 9.2071 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 63.0713, 64.9226, 9.2071 by changing the saturation by 10% instead.


 63.0713, 64.9226,
9.2071


 63.0713, 64.9226,
9.2071


425.4838,
442.5138, 195.1900


 46.1578, 47.3983,
4.7779


 108.3536,
111.9386, 24.8771


 32.5755, 33.3507,
2.0611


 137.4531,
142.1991, 36.9550

 21.9591, 22.3952,
0.5925


 171.3452,
177.4737, 52.4195

 13.9433, 14.1476,
0.0000

 210.3954,
218.1470, 71.6891

 8.1627, 8.2234,
0.0000

 254.9690,
264.6032, 95.1824

 4.2519, 4.2382,
0.0000

 305.4314,

 1.8456, 1.8077,

317.2268, 123.3180

0.0000

362.1478,
376.4022, 156.5143

■ 0.5449, 0.4920,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0713, 64.9226,
9.2071

■ 63.0713, 64.9226,
9.2071

■ 63.0714, 64.9234,
9.2072

■ 64.4691, 67.4287,
10.5668

■ 66.1398, 70.1031,
13.1802

■ 68.1573, 72.9785,
17.4275

■ 70.5659, 76.0731,
23.5412

73.4030, 79.4025,
31.7159

76.7013, 82.9802,
42.1219

80.4898, 86.8183,
54.9115

84.7955, 90.9282,
70.2238

89.6428, 95.3202,
88.1872

Harmonies

Analogous

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



83.2471, 64.9226, 13.9433



63.0713, 64.9226, 9.2071



46.1513, 64.9226, 12.6699

Triad

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



63.0713, 64.9226, 9.2071



34.7159, 64.9226, 131.7720



98.1119, 64.9226, 142.2121

Complementary

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



63.0713, 64.9226, 9.2071



19.1915, 9.5028, 95.4297

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.



80.4157, 64.9226, 209.4039



63.0713, 64.9226, 9.2071



44.2453, 64.9226, 201.5048

Square

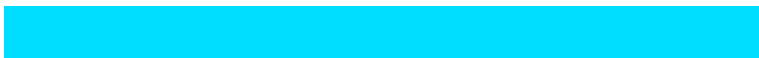
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.0713, 64.9226, 9.2071



31.9221, 64.9226, 66.8813



60.3625, 64.9226, 235.3004



105.8956, 64.9226, 74.6399

Rectangle

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



63.0713, 64.9226, 9.2071



38.3804, 64.9226, 21.1686



60.3625, 64.9226, 235.3004



92.9680, 64.9226, 166.6713

Sweetspot

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



63.0728, 64.9258, 9.2084



80.4865, 86.8151, 54.8981



41.8379, 21.4996, 5.0790



16.8724, 18.2287, 10.5323



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.



63.0728, 64.9258, 9.2084



63.0719, 64.9239, 9.2073



54.2365, 81.0445, 12.7853



19.2408, 20.4498, 19.0774



33.0635, 34.1382, 4.8467



3.2929, 3.4712, 0.4965

Inverse Universe

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



19.1915, 9.5028, 95.4297



19.1905, 9.5010, 95.4302



21.0719, 8.7783, 95.1907



17.2913, 17.9542, 22.8041



10.1087, 5.1269, 49.8914



1.0559, 0.6425, 4.8816

Previews

White Background



This preview shows how the XYZ color 63.0713, 64.9226, 9.2071 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 63.0713, 64.9226, 9.2071 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 63.0713, 64.9226, 9.2071

Background



This preview shows how black text looks on a background with the XYZ color 63.0713, 64.9226, 9.2071.



This preview shows how white text looks on a background with the XYZ color 63.0713, 64.9226,

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

63.0713, 64.9226, 9.2071

Protanopia

58.8638, 65.2883, 9.8161

Deuteranopia

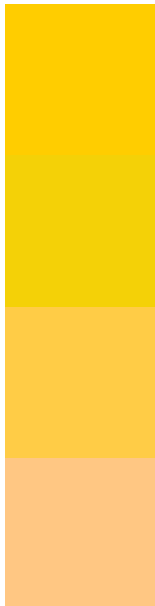
65.4104, 65.0977, 23.8695



Tritanopia

71.8957, 64.7464, 67.1005

Trichromacy



Original Color

63.0713, 64.9226, 9.2071

Protanomaly

60.1470, 64.8494, 9.5481

Deuteranomaly

63.9384, 64.8879, 14.9491

Tritanomaly

65.7602, 63.7455, 30.3109

Monochromacy



Original Color

63.0713, 64.9226, 9.2071

Achromatopsia

53.0703, 55.8340, 60.8033

Achromatomaly

53.2694, 57.6946, 27.7306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0713, 64.9226, 9.2071 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, 205, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 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, 205, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.0713, 64.9226, 9.2071 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, 205, 0) }
```


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

```
.border{ border-color:rgb(255, 205, 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, 205, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0713, 64.9226, 9.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 0) }
```

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

```
.background{ background-color: rgb(255,  
205, 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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