

Converting Colors

XYZ(63.2870, 69.8195, 11.2395)

Have a look what the booklet for
XYZ(63.2870, 69.8195, 11.2395)
contains.

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Color

**XYZ(63.2870, 69.8195,
11.2395)**

Conversions

Conversions Part 1

Format	Color
Hex	F6DA1C
RGB	246, 218, 28
RGB Percent	96%, 85%, 11%
CMY	0.0353, 0.1451, 0.8901
CMYK	0.00, 0.11, 0.89, 0.04
HSL	52°, 92%, 54%
HSV	52°, 89%, 96%
XYZ	63.2870, 69.8195, 11.2395
YIQ	204.7120, 77.6780, -53.1540

Conversions

Conversions Part 2

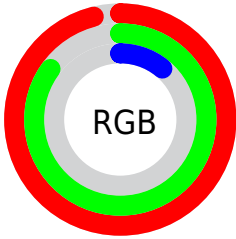
Format	Color
R _Y B	60, 246, 28
Decimal	16177692
CIE Lab	86.91, -6.96, 83.61
CIE LCh	87, 83.898, 94.758
Yxy	69.8195, 0.4384, 0.4837
Android (android.graphics.Color)	4294367772 (0xFFFF6DA1C)
YUV	204.7120, -87.1190, 36.2096
Hunter-Lab	83.5581, -11.0304, 50.5155

Details

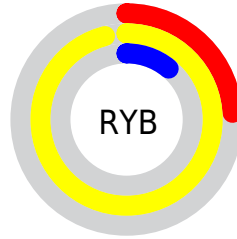
The XYZ color **63.2870, 69.8195, 11.2395** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **18.5280, 9.7296, 88.0894**, and the grayscale version is **58.3493, 61.3880, 66.8515**.

A 20% lighter version of the original color is **79.2046, 93.6618, 25.4593**, and **33.2830, 36.8652, 5.3615** is the 20% darker color. If you saturate the color by 10%, you get **62.2861, 68.1235, 9.9643**, and if you desaturate by 10%, it is **64.5396, 71.6466, 13.7492**.

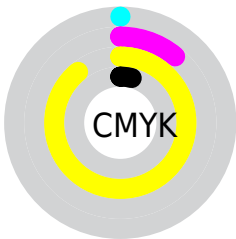
Distribution



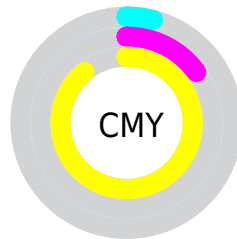
- Red (96%)
- Green (85%)
- Blue (11%)



- Red (24%)
- Yellow (96%)
- Blue (11%)



- Cyan (0%)
- Magenta (11%)
- Yellow (89%)
- Black (4%)





- Cyan (4%)
- Magenta (15%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 63.2870, 69.8195, 11.2395 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 63.2870, 69.8195, 11.2395 by changing the saturation by 10% instead.


 63.2870, 69.8195,
11.2395


 63.2870, 69.8195,
11.2395


426.2535,
459.9160, 210.0994


 46.3329, 51.3794,
6.1120


 108.6629,
118.9513, 28.7456

 32.7144, 36.5106,
2.8434


 137.8156,
150.4118, 41.9612


 22.0659, 24.8288,
1.0152

 171.7651,
186.9812, 58.7100

 14.0222, 15.9496,
0.0000

 210.8768,
229.0440, 79.4104

 8.2179, 9.4885,
0.0000

 255.5162,
276.9844, 104.4810

 4.2877, 5.0611,
0.0000

 306.0485,

 1.8661, 2.2832,

331.1870, 134.3404

0.0000

362.8391,
392.0360, 169.4070

■ 0.5570, 0.7648,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2870, 69.8195,
11.2395

■ 63.2870, 69.8195,
11.2395

■ 62.2861, 68.1235,
9.9643

■ 64.5396, 71.6466,
13.7492

■ 62.1560, 67.8934,
9.8288

■ 66.0957, 73.6174,
17.7865

■ 67.9962, 75.7513,
23.5593

■ 70.2742, 78.0616,
31.2419

■ 72.9589, 80.5600,
40.9876

■ 76.0765, 83.2573,
52.9339

■ 79.6510, 86.1631,
67.2066

■ 83.7045, 89.2865,
83.9219

■ 88.2578, 92.6357,
103.1883

Harmonies

Analogous

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



83.7495, 69.8195, 14.2496



63.2870, 69.8195, 11.2395



47.1256, 69.8195, 17.3844

Triad

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



63.2870, 69.8195, 11.2395



39.9832, 69.8195, 155.5657



106.5801, 69.8195, 131.9076

Complementary

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



63.2870, 69.8195, 11.2395



18.5280, 9.7296, 88.0894

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.



90.2268, 69.8195, 203.4980



63.2870, 69.8195, 11.2395



51.5637, 69.8195, 221.2332

Square

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



63.2870, 69.8195, 11.2395



35.4647, 69.8195, 85.3212



69.5337, 69.8195, 242.0890



111.4044, 69.8195, 67.4235

Rectangle

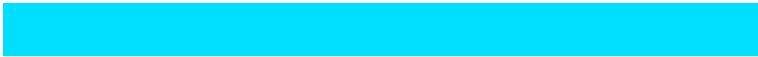
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.2870, 69.8195, 11.2395



40.1138, 69.8195, 29.2280



69.5337, 69.8195, 242.0890



102.1103, 69.8195, 156.7740

Sweetspot

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



63.2886, 69.8229, 11.2409



83.1230, 90.8197, 59.6869



39.1617, 20.7199, 5.8163



17.5267, 19.2169, 11.7382



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.



63.2886, 69.8229, 11.2409



67.4290, 73.6380, 10.6597



48.9059, 74.1094, 12.8263



17.7225, 18.9291, 17.5172



33.2499, 36.3853, 5.2706



2.9720, 3.2972, 0.4798

Inverse Universe

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



18.5280, 9.7296, 88.0894



18.5868, 8.2936, 95.2289



23.2271, 10.6693, 88.0231



15.7526, 16.2696, 20.8527



9.2035, 4.2009, 46.8638



0.8621, 0.4756, 4.1366

Previews

White Background



This preview shows how the XYZ color 63.2870, 69.8195, 11.2395 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 63.2870, 69.8195, 11.2395 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 63.2870, 69.8195, 11.2395

Background



This preview shows how black text looks on a background with the XYZ color 63.2870, 69.8195, 11.2395.



This preview shows how white text looks on a background with the XYZ color 63.2870, 69.8195,

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

63.2870, 69.8195, 11.2395

Protanopia

62.9372, 69.6391, 11.2232

Deuteranopia

69.4168, 69.8015, 35.4056



Tritanopia

75.4878, 69.5077, 75.7674

Trichromacy



Original Color

63.2870, 69.8195, 11.2395

Protanomaly

62.9372, 69.6391, 11.2232

Deuteranomaly

66.5404, 69.7282, 22.2637

Tritanomaly

68.3702, 68.4663, 38.0456

Monochromacy



Original Color

63.2870, 69.8195, 11.2395

Achromatopsia

58.0276, 61.0496, 66.4830

Achromatomaly

57.3695, 63.2319, 34.3806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.2870, 69.8195, 11.2395 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(246, 218, 28)` looks like.

```
.text, #text, p{  
    color:rgb(246, 218, 28)  
}
```

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(246, 218, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 218, 28) }
```

Border

The CSS property to change the border of an element to XYZ 63.2870, 69.8195, 11.2395 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(246, 218, 28) }
```


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

```
.border{ border-color:rgb(246, 218, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 218, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 218, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 218, 28);  
box-shadow:4px 4px 4px 4px rgb(246, 218,  
28) }
```

Background

The CSS property to change the background color of an element to XYZ 63.2870, 69.8195, 11.2395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 218, 28) }
```

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

```
.background{ background-color: rgb(246,  
218, 28) }
```

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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