

Converting Colors

XYZ(64.1308, 71.1368, 10.3507)

Have a look what the booklet for
XYZ(64.1308, 71.1368, 10.3507)
contains.

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Color

**XYZ(63.9510, 70.9606,
10.3262)**

Conversions

Conversions Part 1

Format	Color
Hex	F7DC00
RGB	247, 220, 0
RGB Percent	97%, 86%, 0%
CMY	0.0314, 0.1372, 0.9999
CMYK	0.00, 0.11, 1.00, 0.03
HSL	53°, 100%, 48%
HSV	53°, 100%, 97%
XYZ	63.9510, 70.9606, 10.3262
YIQ	202.9930, 86.7120, -62.6960

Conversions

Conversions Part 2

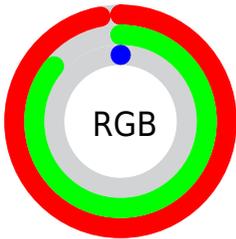
Format	Color
R _Y B	30, 247, 0
Decimal	16243712
CIE Lab	87.47, -7.84, 87.18
CIE LCh	87, 87.535, 95.139
Yxy	70.9606, 0.4403, 0.4886
Android (android.graphics.Color)	4294433792 (0xFF7DC00)
YUV	202.9930, -100.0755, 38.5941
Hunter-Lab	84.2381, -11.9050, 51.6987

Details

The XYZ color **63.9510, 70.9606, 10.3262** 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 **17.1812, 7.5004, 88.5372**, and the grayscale version is **57.3350, 60.3209, 65.6895**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **33.7048, 37.3494, 5.4327** is the 20% darker color. If you saturate the color by 10%, you get **63.9516, 70.9622, 10.3265**, and if you desaturate by 10%, it is **64.8393, 72.4616, 11.4736**.

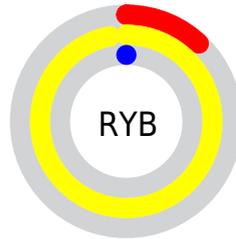
Distribution



Red (97%)

Green (86%)

Blue (0%)



Red (12%)

Yellow (97%)

Blue (0%)

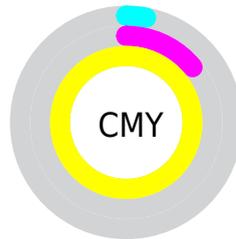


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (3%)



Cyan (3%)

Magenta (14%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9510, 70.9606, 10.3262 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 63.9510, 70.9606, 10.3262 by changing the saturation by 10% instead.

 63.9510, 70.9606,
10.3262

 63.9510, 70.9606,
10.3262

428.6177,
463.9157, 203.5533

 46.8725, 52.3100,
5.5073

 109.6145,
120.5776, 27.0246

 33.1424, 37.2523,
2.4840

 138.9302,
152.3129, 39.7413

 22.3953, 25.4029,
0.8317

 173.0557,
189.1785, 55.9276

 14.2659, 16.3775,
0.0000

 212.3564,
231.5589, 76.0021

 8.3888, 9.7916,
0.0000

 257.1976,
279.8384, 100.3834

 4.3986, 5.2610,
0.0000

 307.9446,

 1.9300, 2.4012,

334.4014, 129.4900

0.0000

364.9629,
395.6324, 163.7405

■ 0.5942, 0.8265,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.9510, 70.9606,
10.3262

■ 63.9510, 70.9606,
10.3262

■ 63.9516, 70.9622,
10.3265

■ 64.8393, 72.4616,
11.4736

■ 65.9560, 74.0695,
13.7741

■ 67.3703, 75.8150,
17.5844

■ 69.1228, 77.7143,
23.1189

■ 71.2478, 79.7813,
30.5572

■ 73.7752, 82.0279,
40.0568

■ 76.7317, 84.4650,
51.7584

■ 80.1419, 87.1024,
65.7905

■ 84.0283, 89.9493,
82.2718

Harmonies

Analogous

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



85.5586, 70.9606, 13.1926



63.9510, 70.9606, 10.3262



47.0729, 70.9606, 16.5830

Triad

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



63.9510, 70.9606, 10.3262



39.9028, 70.9606, 162.9568



110.2784, 70.9606, 135.6264

Complementary

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



63.9510, 70.9606, 10.3262



17.1812, 7.5004, 88.5372

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.



92.9835, 70.9606, 212.5916



63.9510, 70.9606, 10.3262



52.0889, 70.9606, 233.2289

Square

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



63.9510, 70.9606, 10.3262



35.1196, 70.9606, 87.9056



71.0659, 70.9606, 254.9300



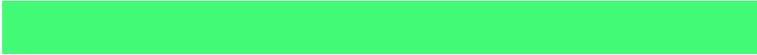
115.2374, 70.9606, 67.5180

Rectangle

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



63.9510, 70.9606, 10.3262



39.8251, 70.9606, 28.7811



71.0659, 70.9606, 254.9300



105.5634, 70.9606, 162.2164

Sweetspot

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



63.9526, 70.9640, 10.3276



82.4767, 90.7954, 55.5615



38.5776, 19.8626, 2.9528



17.3539, 19.1917, 10.6928



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.



63.9526, 70.9640, 10.3276



68.7446, 76.2693, 11.0982



46.2709, 73.2281, 11.6966



17.7509, 18.9860, 17.5267



33.8869, 37.6594, 5.4830



3.0217, 3.3966, 0.4963

Inverse Universe

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



17.1812, 7.5004, 88.5372



18.4622, 8.0444, 95.1874



21.4770, 9.1329, 88.6258



15.7269, 16.2182, 20.8441



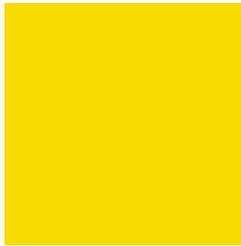
9.1352, 4.0641, 46.8410



0.8499, 0.4513, 4.1325

Previews

White Background



This preview shows how the XYZ color 63.9510, 70.9606, 10.3262 looks on a white background.

Color Contrast Check

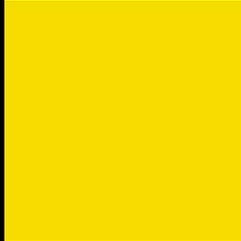
Large Text (above 18pt) WCAG AA × Fail

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 63.9510, 70.9606, 10.3262 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

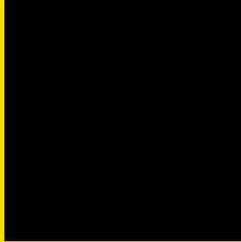
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 63.9510, 70.9606, 10.3262

Background



This preview shows how black text looks on a background with the XYZ color 63.9510, 70.9606, 10.3262.



This preview shows how white text looks on a background with the XYZ color 63.9510, 70.9606,

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

63.9510, 70.9606, 10.3262

Protanopia

63.9510, 70.9606, 10.3262

Deuteranopia

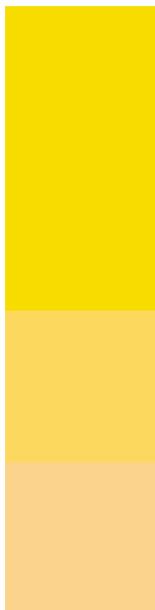
70.3795, 70.9866, 38.0094



Tritanopia

76.2296, 70.5699, 77.3138

Trichromacy



Original Color

63.9510, 70.9606, 10.3262

Protanomaly

63.9510, 70.9606, 10.3262

Deuteranomaly

66.7211, 70.6153, 20.7032

Tritanomaly

68.1728, 69.1774, 34.5704

Monochromacy



Original Color

63.9510, 70.9606, 10.3262

Achromatopsia

56.7640, 59.7202, 65.0353

Achromatomaly

55.9763, 62.2460, 29.8333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9510, 70.9606, 10.3262 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(247, 220, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 220, 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(247, 220, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 220, 0) }
```

Border

The CSS property to change the border of an element to XYZ 63.9510, 70.9606, 10.3262 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(247, 220, 0) }
```

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

```
.border{ border-color:rgb(247, 220, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 220, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 220, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 220, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 220,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9510, 70.9606, 10.3262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 220, 0) }
```

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

```
.background{ background-color: rgb(247,  
220, 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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