

Converting Colors

XYZ(60.8676, 63.8745, 9.4153)

Have a look what the booklet for
XYZ(60.8676, 63.8745, 9.4153)
contains.

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Color

**XYZ(60.9530, 63.8243,
9.3939)**

Conversions

Conversions Part 1

Format	Color
Hex	F9CD0A
RGB	249, 205, 10
RGB Percent	98%, 80%, 4%
CMY	0.0235, 0.1961, 0.9607
CMYK	0.00, 0.18, 0.96, 0.02
HSL	49°, 95%, 51%
HSV	49°, 96%, 98%
XYZ	60.9530, 63.8243, 9.3939
YIQ	195.9260, 88.8190, -51.3170

Conversions

Conversions Part 2

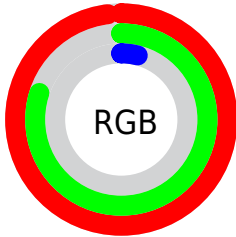
Format	Color
R _Y B	64, 249, 10
Decimal	16370954
CIE Lab	83.87, 0.68, 83.82
CIE LCh	84, 83.826, 89.532
Yxy	63.8243, 0.4543, 0.4757
Android (android.graphics.Color)	4294561034 (0xFFF9CD0A)
YUV	195.9260, -91.6615, 46.5459
Hunter-Lab	79.8901, -3.6192, 48.9514

Details

The XYZ color **60.9530, 63.8243, 9.3939** 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 **18.5442, 9.5441, 90.4865**, and the grayscale version is **52.9234, 55.6795, 60.6350**.

A 20% lighter version of the original color is **78.8032, 93.5013, 23.3454**, and **31.5601, 32.6980, 4.6480** is the 20% darker color. If you saturate the color by 10%, you get **60.4606, 62.9277, 8.9596**, and if you desaturate by 10%, it is **62.3144, 66.1517, 11.0685**.

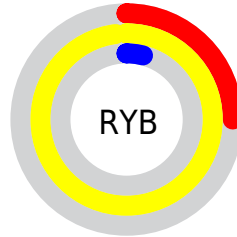
Distribution



Red (98%)

Green (80%)

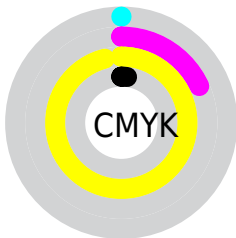
Blue (4%)



Red (25%)

Yellow (98%)

Blue (4%)

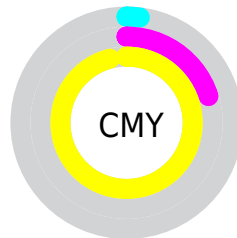


Cyan (0%)

Magenta (18%)

Yellow (96%)

Black (2%)



Cyan (2%)


Magenta (20%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 60.9530, 63.8243, 9.3939 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 60.9530, 63.8243, 9.3939 by changing the saturation by 10% instead.


 60.9530, 63.8243,
9.3939

 60.9530, 63.8243,
9.3939


417.8803,
438.5549, 196.6148


 44.4396, 46.5084,
4.8987


 105.3094,
110.3579, 25.2388

 31.2157, 32.6472,
2.1302


 133.8831,
140.3443, 37.4256

 20.9158, 21.8563,
0.6337


 167.2077,
175.3230, 53.0133

 13.1746, 13.7514,
0.0000

 205.6484,
215.6784, 72.4205

 7.6267, 7.9479,
0.0000

 249.5707,
261.7949, 96.0657

 3.9068, 4.0616,
0.0000

 299.3399,

 1.6495, 1.7081,

314.0569, 124.3674

0.0000

355.3213,
372.8488, 157.7443

■ 0.4244, 0.4289,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 60.9530, 63.8243,
9.3939

■ 60.9530, 63.8243,
9.3939

■ 60.4606, 62.9277,
8.9596

■ 62.3144, 66.1517,
11.0685

■ 63.9683, 68.6454,
14.1291

■ 65.9638, 71.3280,
18.8280

■ 68.3397, 74.2154,
25.3679

71.1292, 77.3213,
33.9220

74.3617, 80.6579,
44.6434

78.0635, 84.2362,
57.6705

82.2590, 88.0662,
73.1300

86.9707, 92.1574,
91.1395

Harmonies

Analogous

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



80.4642, 63.8243, 13.5886



60.9530, 63.8243, 9.3939



44.8187, 63.8243, 13.3112

Triad

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



60.9530, 63.8243, 9.3939



34.7588, 63.8243, 132.4821



96.6196, 63.8243, 134.7019

Complementary

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



60.9530, 63.8243, 9.3939



18.5442, 9.5441, 90.4865

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.



79.8604, 63.8243, 200.4793



60.9530, 63.8243, 9.3939



44.4102, 63.8243, 198.8041

Square

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



60.9530, 63.8243, 9.3939



31.6793, 63.8243, 68.6681



60.3741, 63.8243, 228.3968



103.4466, 63.8243, 70.3261

Rectangle

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



60.9530, 63.8243, 9.3939



37.5002, 63.8243, 22.2443



60.3741, 63.8243, 228.3968



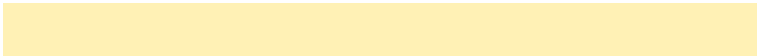
91.8133, 63.8243, 158.3650

Sweetspot

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



60.9544, 63.8274, 9.3951



81.1555, 87.7380, 56.4007



39.9345, 20.6608, 5.8621



17.0144, 18.4347, 10.8198



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.



60.9544, 63.8274, 9.3951



63.8099, 66.3999, 9.4533



52.1317, 77.1559, 12.4328



18.4398, 19.6154, 18.2767



32.4614, 33.8794, 4.8285



3.0746, 3.2740, 0.4699

Inverse Universe

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



18.5442, 9.5441, 90.4865



19.0642, 9.2484, 95.3881



20.6626, 8.8383, 90.2386



16.5415, 17.1598, 21.8256



9.7461, 4.8478, 48.3956



0.9705, 0.5846, 4.5049

Previews

White Background



This preview shows how the XYZ color 60.9530, 63.8243, 9.3939 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 60.9530, 63.8243, 9.3939 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 60.9530, 63.8243, 9.3939

Background



This preview shows how black text looks on a background with the XYZ color 60.9530, 63.8243, 9.3939.



This preview shows how white text looks on a background with the XYZ color 60.9530, 63.8243,

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

60.9530, 63.8243, 9.3939

Protanopia

57.7179, 63.9578, 9.7185

Deuteranopia

64.4269, 63.9534, 21.0052



Tritanopia

71.4505, 63.8562, 66.9521

Trichromacy



Original Color

60.9530, 63.8243, 9.3939

Protanomaly

58.9041, 63.8416, 9.5988

Deuteranomaly

62.6417, 63.5290, 14.2709

Tritanomaly

64.8474, 62.5644, 31.5800

Monochromacy



Original Color

60.9530, 63.8243, 9.3939

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

52.3440, 56.8524, 28.6369

CSS Examples

Text

The CSS property to change the color of the text to XYZ 60.9530, 63.8243, 9.3939 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(249, 205, 10)` looks like.

```
.text, #text, p{  
    color:rgb(249, 205, 10)  
}
```

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(249, 205, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 205, 10) }
```

Border

The CSS property to change the border of an element to XYZ 60.9530, 63.8243, 9.3939 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(249, 205, 10) }
```


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

```
.border{ border-color:rgb(249, 205, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 205, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 205, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 205, 10);  
box-shadow:4px 4px 4px 4px rgb(249, 205,  
10) }
```

Background

The CSS property to change the background color of an element to XYZ 60.9530, 63.8243, 9.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 205, 10) }
```

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

```
.background{ background-color: rgb(249,  
205, 10) }
```

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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