

Converting Colors

XYZ(62.9366, 63.3154, 13.2864)

Have a look what the booklet for
XYZ(62.9366, 63.3154, 13.2864)
contains.

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Color

**XYZ(62.9689, 63.3702,
13.3277)**

Conversions

Conversions Part 1

Format	Color
Hex	FFC93D
RGB	255, 201, 61
RGB Percent	100%, 79%, 24%
CMY	0.0000, 0.2117, 0.7608
CMYK	0.00, 0.21, 0.76, 0.00
HSL	43°, 100%, 62%
HSV	43°, 76%, 100%
XYZ	62.9689, 63.3702, 13.3277
YIQ	201.1860, 77.1240, -32.0920

Conversions

Conversions Part 2

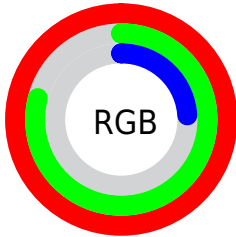
Format	Color
RYB	136, 255, 61
Decimal	16763197
CIELab	83.64, 6.41, 72.48
CIELCh	84, 72.768, 84.946
Yxy	63.3702, 0.4509, 0.4537
Android (android.graphics.Color)	4294953277 (0xFFFFC93D)
YUV	201.1860, -69.1117, 47.1949
Hunter-Lab	79.6054, 1.8864, 45.7973

Details

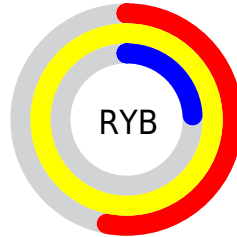
The XYZ color **62.9689, 63.3702, 13.3277** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light washed yellow. A complement of this color would be **26.1050, 20.4730, 97.1827**, and the grayscale version is **56.0164, 58.9336, 64.1787**.

A 20% lighter version of the original color is **80.2700, 94.0880, 31.0697**, and **32.6819, 32.3368, 4.5191** is the 20% darker color. If you saturate the color by 10%, you get **60.8223, 59.9276, 9.9912**, and if you desaturate by 10%, it is **65.5210, 67.1024, 18.4098**.

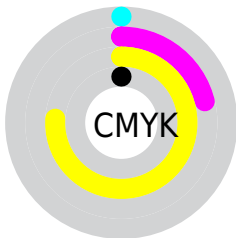
Distribution



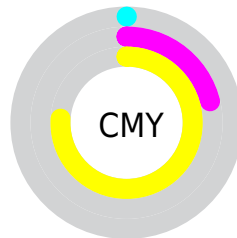
- Red (100%)
- Green (79%)
- Blue (24%)



- Red (53%)
- Yellow (100%)
- Blue (24%)



- Cyan (0%)
- Magenta (21%)
- Yellow (76%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 62.9689, 63.3702, 13.3277 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 62.9689, 63.3702, 13.3277 by changing the saturation by 10% instead.

 62.9689, 63.3702,
13.3277

 62.9689, 63.3702,
13.3277


425.1181,
436.9118, 224.2884


 46.0746, 46.1408,
7.5212


 108.2067,
109.7034, 32.5910


 32.5096, 32.3569,
3.7068


 137.2809,
139.5760, 46.8850


 21.9084, 21.6343,
1.4659


 171.1458,
174.4317, 64.8452

 13.9059, 13.5884,
0.1923

 210.1668,
214.6550, 86.8901

 8.1365, 7.8350,
0.0000

 254.7091,
260.6303, 113.4384

 4.2349, 3.9895,
0.0000

305.1382,

 1.8359, 1.6677,

312.7419, 144.9085

0.0000

361.8194,
371.3743, 181.7190

■ 0.5392, 0.4026,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 62.9689, 63.3702,
13.3277

■ 62.9689, 63.3702,
13.3277

■ 60.8223, 59.9276,
9.9912

■ 65.5210, 67.1024,
18.4098

■ 59.0251, 56.7430,
8.1288

■ 68.5162, 71.1331,
25.4495

■ 58.3860, 55.5525,
7.6454

■ 71.9918, 75.4816,
34.6321

■ 75.9797, 80.1619,
46.1207

■ 80.5086, 85.1873,
60.0620

■ 85.6051, 90.5696,
76.5910

■ 91.2936, 96.3203,
95.8324

95.0497, 99.9998,
108.9000

Harmonies

Analogous

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



79.5824, 63.3702, 19.2340



62.9689, 63.3702, 13.3277



48.2194, 63.3702, 16.1227

Triad

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



62.9689, 63.3702, 13.3277



36.5180, 63.3702, 112.9816



88.9313, 63.3702, 132.6048

Complementary

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



62.9689, 63.3702, 13.3277



26.1050, 20.4730, 97.1827

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.



74.0892, 63.3702, 182.9449



62.9689, 63.3702, 13.3277



44.3029, 63.3702, 168.5439

Square

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



62.9689, 63.3702, 13.3277



34.5920, 63.3702, 61.5601



57.5746, 63.3702, 198.3775



96.1655, 63.3702, 77.0151

Rectangle

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



62.9689, 63.3702, 13.3277



41.0885, 63.3702, 23.6866



57.5746, 63.3702, 198.3775



84.5522, 63.3702, 151.5232

Sweetspot

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



62.9703, 63.3733, 13.3289



82.0156, 86.8053, 64.8661



46.0593, 25.8581, 19.0773



17.1773, 18.1741, 12.6821



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.



62.9703, 63.3733, 13.3289



59.8979, 58.3292, 8.9097



64.0331, 85.9976, 17.6398



19.1088, 20.1857, 19.0334



30.6404, 29.2920, 4.0390



3.0754, 3.0362, 0.4239

Inverse Universe

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



26.1050, 20.4730, 97.1827



21.8538, 14.3047, 96.2170



25.3166, 13.4437, 95.8675



17.4145, 18.2006, 22.8452



10.7151, 6.3397, 50.0935



1.1305, 0.7916, 4.9065

Previews

White Background



This preview shows how the XYZ color 62.9689, 63.3702, 13.3277 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 62.9689, 63.3702, 13.3277 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 62.9689, 63.3702, 13.3277

Background



This preview shows how black text looks on a background with the XYZ color 62.9689, 63.3702, 13.3277.



This preview shows how white text looks on a background with the XYZ color 62.9689, 63.3702,

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

62.9689, 63.3702, 13.3277

Protanopia

57.6294, 63.4522, 13.9127

Deuteranopia

64.2432, 63.5081, 21.1842



Tritanopia

70.8691, 63.2711, 64.9772

Trichromacy



Original Color

62.9689, 63.3702, 13.3277

Protanomaly

59.5588, 63.3677, 13.6495

Deuteranomaly

63.5740, 63.2404, 17.6600

Tritanomaly

66.3410, 62.5246, 37.8501

Monochromacy



Original Color

62.9689, 63.3702, 13.3277

Achromatopsia

55.5167, 58.4078, 63.6061

Achromatomaly

56.2105, 59.3474, 37.3468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 62.9689, 63.3702, 13.3277 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, 201, 61)` looks like.

```
.text, #text, p{  
    color:rgb(255, 201, 61)  
}
```

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, 201, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 201, 61) }
```

Border

The CSS property to change the border of an element to XYZ 62.9689, 63.3702, 13.3277 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, 201, 61) }
```


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

```
.border{ border-color:rgb(255, 201, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 201, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 201, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 201, 61);  
box-shadow:4px 4px 4px 4px rgb(255, 201,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 62.9689, 63.3702, 13.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 201, 61) }
```

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

```
.background{ background-color: rgb(255,  
201, 61) }
```

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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