

Converting Colors

XYZ(63.0771, 70.2081, 23.4160)

Have a look what the booklet for
XYZ(63.0771, 70.2081, 23.4160)
contains.

XYZ(63.0169, 70.1904, 23.3235) 3
***Conversions* 4**
***Details* 6**
***Harmonies* 12**
***Previews* 24**
***Color Blindness Simulation* 28**
***CSS Examples* 31**

Color

**XYZ(63.0169, 70.1904,
23.3235)**

Conversions

Conversions Part 1

Format	Color
Hex	EDDC68
RGB	237, 220, 104
RGB Percent	93%, 86%, 41%
CMY	0.0706, 0.1372, 0.5921
CMYK	0.00, 0.07, 0.56, 0.07
HSL	52°, 79%, 67%
HSV	52°, 56%, 93%
XYZ	63.0169, 70.1904, 23.3235
YIQ	211.8590, 47.3680, -32.4720

Conversions

Conversions Part 2

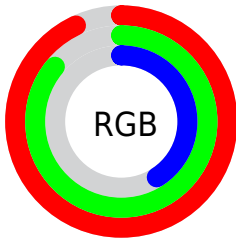
Format	Color
RYB	123, 237, 104
Decimal	15588456
CIELab	87.09, -8.36, 58.07
CIELCh	87, 58.674, 98.196
Yxy	70.1904, 0.4026, 0.4484
Android (android.graphics.Color)	4293778536 (0xFFEDDC68)
YUV	211.8590, -53.1745, 22.0487
Hunter-Lab	83.7797, -12.3515, 42.1400

Details

The XYZ color **63.0169, 70.1904, 23.3235** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **27.8322, 22.7315, 83.0410**, and the grayscale version is **62.8073, 66.0782, 71.9591**.

A 20% lighter version of the original color is **83.1716, 95.2486, 46.3490**, and **32.3910, 36.6055, 8.3760** is the 20% darker color. If you saturate the color by 10%, you get **61.1913, 68.2026, 17.5876**, and if you desaturate by 10%, it is **65.1985, 72.3489, 30.8483**.

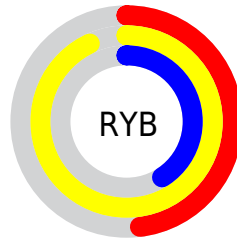
Distribution



Red (93%)

Green (86%)

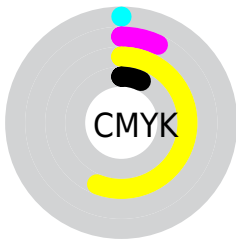
Blue (41%)



Red (48%)

Yellow (93%)

Blue (41%)

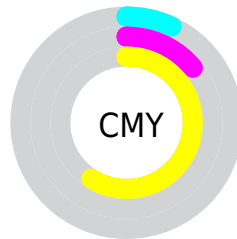


Cyan (0%)

Magenta (7%)

Yellow (56%)

Black (7%)



Cyan (7%)

Magenta (14%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.0169, 70.1904, 23.3235 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 63.0169, 70.1904, 23.3235 by changing the saturation by 10% instead.

63.0169, 70.1904,
23.3235

63.0169, 70.1904,
23.3235

425.2895,
461.2182, 282.5578

46.1136, 51.6818,
14.6250

108.2756,
119.4802, 49.8539

32.5405, 36.7515,
8.4130

137.3616,
151.0302, 68.5229

21.9322, 25.0151,
4.2688

171.2393,
187.6962, 91.3524

13.9234, 16.0883,
1.7739

210.2740,
229.8624, 118.7611

8.1488, 9.5867,
0.4107

254.8310,
277.9133, 151.1674

4.2429, 5.1258,
0.0000

305.2756,

1.8404, 2.3213,

332.2333, 188.9900

0.0000

361.9734,
393.2068, 232.6472

■ 0.5419, 0.7849,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 63.0169, 70.1904,
23.3235

■ 63.0169, 70.1904,
23.3235

■ 61.1913, 68.2026,
17.5876

■ 65.1985, 72.3489,
30.8483

■ 59.6874, 66.3637,
13.4829


■ 67.7570, 74.6787,
40.2934

■ 58.4729, 64.6634,
10.8312


■ 70.7173, 77.1925,
51.7831


■ 57.5052, 63.0845,
9.4100


■ 74.1009, 79.8990,
65.4296


 57.1693, 62.4934,
9.0493

 77.9277, 82.8063,
81.3373

 82.2162, 85.9219,
99.6036

 84.4904, 88.2555,
107.1896

 85.3953, 90.0653,
107.4913

 86.3151, 91.9049,
107.7979

Harmonies

Analogous

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



77.0192, 70.1904, 25.4914



63.0169, 70.1904, 23.3235



51.6704, 70.1904, 31.0408

Triad

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



63.0169, 70.1904, 23.3235



48.0253, 70.1904, 133.4290



94.3816, 70.1904, 108.1255

Complementary

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



63.0169, 70.1904, 23.3235



27.8322, 22.7315, 83.0410

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.



84.4258, 70.1904, 152.6729



63.0169, 70.1904, 23.3235



57.3714, 70.1904, 170.4346

Square

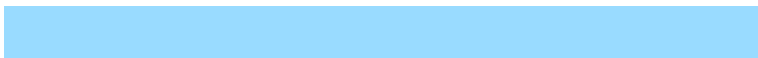
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.0169, 70.1904, 23.3235



43.8262, 70.1904, 87.7308



70.5527, 70.1904, 178.4808



96.4388, 70.1904, 66.1355

Rectangle

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



63.0169, 70.1904, 23.3235



46.6805, 70.1904, 43.0747



70.5527, 70.1904, 178.4808



91.7879, 70.1904, 123.6548

Sweetspot

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



63.0186, 70.1937, 23.3249



87.0979, 94.0326, 75.6157



43.3720, 29.3043, 21.6971



18.4633, 19.9858, 15.4549



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.



63.0186, 70.1937, 23.3249



72.0333, 80.2768, 20.1167



53.5796, 72.2887, 24.2268



16.1782, 17.2794, 16.0013



31.2805, 34.2552, 4.9633



2.5022, 2.7816, 0.4050

Inverse Universe

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



27.8322, 22.7315, 83.0410



26.8715, 19.4156, 96.9390



33.3299, 22.7655, 82.7578



14.3863, 14.8590, 19.0321



8.6547, 3.9563, 44.0505



0.7296, 0.4107, 3.4757

Previews

White Background



This preview shows how the XYZ color 63.0169, 70.1904, 23.3235 looks on a white background.

Color Contrast Check

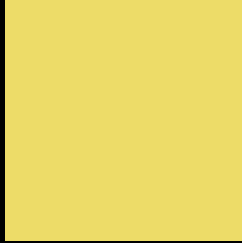
Large Text (above 18pt) WCAG AA × Fail

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 63.0169, 70.1904, 23.3235 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 63.0169, 70.1904, 23.3235

Background



This preview shows how black text looks on a background with the XYZ color 63.0169, 70.1904, 23.3235.



This preview shows how white text looks on a background with the XYZ color 63.0169, 70.1904,

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

63.0169, 70.1904, 23.3235

Protanopia

64.1375, 69.9993, 22.9628

Deuteranopia

70.1202, 70.0829, 39.1098



Tritanopia

74.3435, 69.9098, 79.3877

Trichromacy



Original Color

63.0169, 70.1904, 23.3235

Protanomaly

63.7149, 70.1676, 23.0175

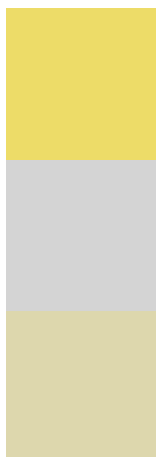
Deuteranomaly

67.0610, 69.7708, 32.4869

Tritanomaly

69.0899, 69.6154, 52.9757

Monochromacy



Original Color

63.0169, 70.1904, 23.3235

Achromatopsia

62.5785, 65.8375, 71.6970

Achromatomaly

61.6621, 66.9902, 49.2156

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.0169, 70.1904, 23.3235 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(237, 220, 104)` looks like.

```
.text, #text, p{  
    color:rgb(237, 220, 104)  
}
```

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(237, 220, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 220, 104) }
```

Border

The CSS property to change the border of an element to XYZ 63.0169, 70.1904, 23.3235 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(237, 220, 104) }
```


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

```
.border{ border-color:rgb(237, 220, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 220, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 220, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 220, 104);  
box-shadow:4px 4px 4px 4px rgb(237, 220,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 63.0169, 70.1904, 23.3235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 220, 104) }
```

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

```
.background{ background-color: rgb(237,  
220, 104) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor