

Converting Colors

XYZ(63.9306, 76.9124, 18.1326)

Have a look what the booklet for
XYZ(63.9306, 76.9124, 18.1326)
contains.

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Color

**XYZ(63.9333, 76.9136,
18.1328)**

Conversions

Conversions Part 1

Format	Color
Hex	E7EB4B
RGB	231, 235, 75
RGB Percent	91%, 92%, 29%
CMY	0.0941, 0.0784, 0.7059
CMYK	0.02, 0.00, 0.68, 0.08
HSL	62°, 80%, 61%
HSV	62°, 68%, 92%
XYZ	63.9333, 76.9136, 18.1328
YIQ	215.5640, 48.9760, -50.6080

Conversions

Conversions Part 2

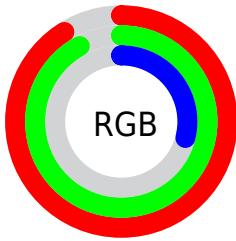
Format	Color
RYB	75, 235, 79
Decimal	15199051
CIELab	90.28, -20.02, 73.21
CIELCh	90, 75.897, 105.293
Yxy	76.9136, 0.4021, 0.4838
Android (android.graphics.Color)	4293389131 (0xFFE7EB4B)
YUV	215.5640, -69.2981, 13.5374
Hunter-Lab	87.7004, -23.3498, 49.1316

Details

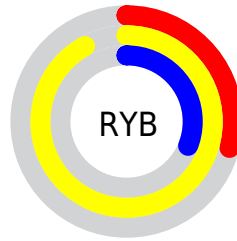
The XYZ color **63.9333, 76.9136, 18.1328** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **20.7383, 12.6943, 79.9593**, and the grayscale version is **65.4085, 68.8149, 74.9394**.

A 20% lighter version of the original color is **81.1649, 94.4459, 35.7818**, and **33.1334, 41.0109, 6.1696** is the 20% darker color. If you saturate the color by 10%, you get **63.0840, 76.5548, 14.6423**, and if you desaturate by 10%, it is **65.0838, 77.3986, 23.1902**.

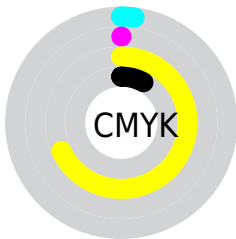
Distribution



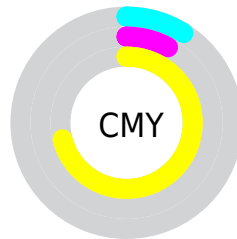
- Red (91%)
- Green (92%)
- Blue (29%)



- Red (29%)
- Yellow (92%)
- Blue (31%)



- Cyan (2%)
- Magenta (0%)
- Yellow (68%)
- Black (8%)



- Cyan (9%)
- Magenta (8%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 63.9333, 76.9136, 18.1328 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 63.9333, 76.9136, 18.1328 by changing the saturation by 10% instead.

63.9333, 76.9136,
18.1328

63.9333, 76.9136,
18.1328

428.5548,
484.4694, 253.8797

46.8581, 57.1820,
10.8749

109.5891,
129.0175, 41.0805

33.1310, 41.1514,
5.8697

138.9005,
162.1586, 57.6074

22.3865, 28.4374,
2.6985

173.0214,
200.5382, 78.0610

14.2594, 18.6556,
0.9427

212.3170,
244.5409, 102.8600

8.3842, 11.4217,
0.0000

257.1528,
294.5510, 132.4228

4.3956, 6.3512,
0.0000

307.8941,

1.9283, 3.0598,

350.9528, 167.1680

0.0000

364.9063,
414.1308, 207.5141

■ 0.5932, 1.1630,
0.0000

■ 0.0000, 0.0312,
0.0000

■ 63.9333, 76.9136,
18.1328

■ 63.9333, 76.9136,
18.1328

■ 63.0840, 76.5548,
14.6423

■ 65.0838, 77.3986,
23.1902

■ 62.4959, 76.2977,
12.5319


■ 66.5594, 78.0109,
29.9642


■ 62.1225, 76.1266,
11.5490


■ 68.3878, 78.7644,
38.5923


■ 62.0618, 76.0982,
11.4174

■ 70.5921, 79.6684,
49.1971

 73.1937, 80.7313,
61.8902

 76.2122, 81.9610,
76.7754

 79.6659, 83.3649,
93.9492

 82.2552, 84.4232,
106.5677

 82.4507, 84.5239,
106.5769

Harmonies

Analogous

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



82.7218, 76.9136, 18.0336



63.9333, 76.9136, 18.1328



50.2020, 76.9136, 29.8004

Triad

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



63.9333, 76.9136, 18.1328



50.4070, 76.9136, 181.6082



114.1804, 76.9136, 113.0387

Complementary

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



63.9333, 76.9136, 18.1328



20.7383, 12.6943, 79.9593

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.



102.0873, 76.9136, 180.3496



63.9333, 76.9136, 18.1328



64.2623, 76.9136, 230.1012

Square

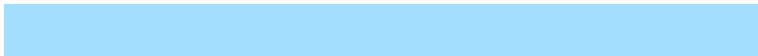
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



63.9333, 76.9136, 18.1328



43.3590, 76.9136, 114.2996



83.1124, 76.9136, 229.5609



114.0509, 76.9136, 59.1887

Rectangle

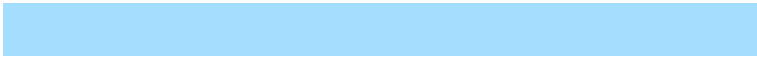
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63.9333, 76.9136, 18.1328



44.8147, 76.9136, 47.3470



83.1124, 76.9136, 229.5609



111.3294, 76.9136, 135.2039

Sweetspot

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



63.9351, 76.9172, 18.1344



87.4307, 96.8982, 71.2219



38.2344, 23.5737, 9.1926



18.5199, 20.6610, 14.2967



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.



63.9351, 76.9172, 18.1344



75.5907, 91.9967, 16.3475



43.9928, 66.6366, 17.2011



16.3125, 17.6066, 16.0574



34.5554, 42.3584, 6.3547



2.7253, 3.3323, 0.4996

Inverse Universe

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



20.7383, 12.6943, 79.9593



20.3952, 9.8736, 95.4386



31.5490, 18.2674, 80.4652



14.2661, 14.5669, 18.9820



8.4024, 3.3675, 43.9501



0.6721, 0.2708, 3.4517

Previews

White Background



This preview shows how the XYZ color 63.9333, 76.9136, 18.1328 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 63.9333, 76.9136, 18.1328 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 63.9333, 76.9136, 18.1328

Background



This preview shows how black text looks on a background with the XYZ color 63.9333, 76.9136, 18.1328.



This preview shows how white text looks on a background with the XYZ color 63.9333, 76.9136,

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

63.9333, 76.9136, 18.1328

Protanopia

69.5447, 76.4900, 17.4020

Deuteranopia

75.3972, 76.7169, 52.9535



Tritanopia

78.8853, 76.8937, 90.8050

Trichromacy



Original Color

63.9333, 76.9136, 18.1328

Protanomaly

67.5389, 76.6809, 17.7198

Deuteranomaly

70.2828, 76.4541, 36.2521

Tritanomaly

71.2367, 75.7656, 52.9891

Monochromacy



Original Color

63.9333, 76.9136, 18.1328

Achromatopsia

65.2694, 68.6685, 74.7800

Achromatomaly

62.9980, 70.8641, 45.9551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 63.9333, 76.9136, 18.1328 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(231, 235, 75)` looks like.

```
.text, #text, p{  
    color:rgb(231, 235, 75)  
}
```

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(231, 235, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 235, 75) }
```

Border

The CSS property to change the border of an element to XYZ 63.9333, 76.9136, 18.1328 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(231, 235, 75) }
```


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

```
.border{ border-color:rgb(231, 235, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 235, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 235, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 235, 75);  
box-shadow:4px 4px 4px 4px rgb(231, 235,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 63.9333, 76.9136, 18.1328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 235, 75) }
```

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

```
.background{ background-color: rgb(231,  
235, 75) }
```

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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