

Converting Colors

XYZ(31.9088, 50.9445, 18.8805)

Have a look what the booklet for
XYZ(31.9088, 50.9445, 18.8805)
contains.

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Color

**XYZ(31.7902, 50.7298,
18.9428)**

Conversions

Conversions Part 1

Format	Color
Hex	6ED35F
RGB	110, 211, 95
RGB Percent	43%, 83%, 37%
CMY	0.5686, 0.1725, 0.6274
CMYK	0.48, 0.00, 0.55, 0.17
HSL	112°, 57%, 60%
HSV	112°, 55%, 83%
XYZ	31.7902, 50.7298, 18.9428
YIQ	167.5770, -22.9600, -57.4880

Conversions

Conversions Part 2

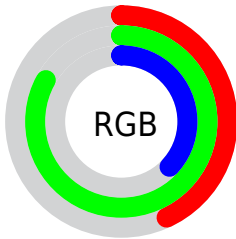
Format	Color
RYB	95, 211, 196
Decimal	7263071
CIELab	76.52, -51.70, 47.86
CIELCh	77, 70.450, 137.208
Yxy	50.7298, 0.3133, 0.5000
Android (android.graphics.Color)	4285453151 (0xFF6ED35F)
YUV	167.5770, -35.7805, -50.4950
Hunter-Lab	71.2249, -44.9726, 34.0888

Details

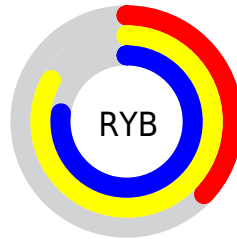
The XYZ color **31.7902, 50.7298, 18.9428** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **38.6179, 24.6252, 64.3486**, and the grayscale version is **37.1909, 39.1278, 42.6101**.

A 20% lighter version of the original color is **57.2537, 81.9829, 40.8237**, and **13.4240, 24.2701, 6.2626** is the 20% darker color. If you saturate the color by 10%, you get **28.9046, 49.3399, 14.4616**, and if you desaturate by 10%, it is **35.4120, 52.4722, 24.8164**.

Distribution



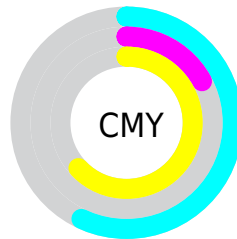
- Red (43%)
- Green (83%)
- Blue (37%)



- Red (37%)
- Yellow (83%)
- Blue (77%)



- Cyan (48%)
- Magenta (0%)
- Yellow (55%)
- Black (17%)



- Cyan (57%)
- Magenta (17%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.7902, 50.7298, 18.9428 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 31.7902, 50.7298, 18.9428 by changing the saturation by 10% instead.

■ 31.7902, 50.7298,
18.9428

■ 31.7902, 50.7298,
18.9428

301.9247,
389.5131, 258.5450

■ 21.3561, 35.9936,
11.4526

■ 61.8495, 91.2552,
42.4728

■ 13.4985, 24.4293,
6.2541

■ 82.2053, 117.8133,
59.3497

■ 7.8520, 15.6524,
2.9289

■ 106.5991,
149.0808, 80.1925

■ 4.0514, 9.2785,
1.0585

■ 135.3962,
185.4420, 105.4199

■ 1.7313, 4.9233,
0.0000

168.9619,
227.2815, 135.4502

■ 0.4757, 2.2023,
0.0000

207.6617,

■ 0.0000, 0.7213,

274.9836, 170.7022

0.0000

251.8609,
328.9326, 211.5943

■ 0.0000, 0.0000,
0.0000

■ 31.7902, 50.7298,
18.9428

■ 31.7902, 50.7298,
18.9428

■ 28.9046, 49.3399,
14.4616

■ 35.4120, 52.4722,
24.8164

■ 26.7004, 48.2723,
11.2546

■ 39.8123, 54.5822,
32.1809

■ 25.1211, 47.5022,
9.1902

■ 45.0347, 57.0817,
41.1297

■ 24.0989, 46.9982,
8.1061

■ 51.1183, 59.9893,
51.7478

■ 23.7547, 46.8275,
7.7866

■ 58.0999, 63.3219,
64.1140

■ 66.0139, 67.0959,
78.3021

■ 74.8930, 71.3266,
94.3818

■ 82.5853, 75.0707,
104.7451

Harmonies

Analogous

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



41.0450, 50.7298, 10.6719



31.7902, 50.7298, 18.9428



27.3431, 50.7298, 40.5648

Triad

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



31.7902, 50.7298, 18.9428



42.7775, 50.7298, 161.7612



76.9796, 50.7298, 36.2896

Complementary

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



31.7902, 50.7298, 18.9428



38.6179, 24.6252, 64.3486

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.



77.6780, 50.7298, 73.0765



31.7902, 50.7298, 18.9428



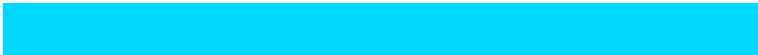
56.1796, 50.7298, 158.7913

Square

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



31.7902, 50.7298, 18.9428



32.8569, 50.7298, 128.2313



69.5065, 50.7298, 121.3648



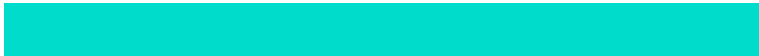
67.7445, 50.7298, 17.0551

Rectangle

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



31.7902, 50.7298, 18.9428



27.0481, 50.7298, 64.9380



69.5065, 50.7298, 121.3648



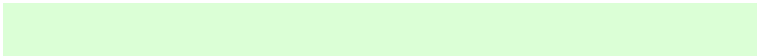
78.2736, 50.7298, 46.5521

Sweetspot

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



31.7914, 50.7319, 18.9439



77.2796, 91.5191, 77.3442



48.5667, 53.9473, 18.6804



16.1084, 19.3822, 15.7966



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.



31.7914, 50.7319, 18.9439



43.7082, 75.4201, 21.2066



32.5690, 50.8453, 31.9670



11.7964, 13.2785, 12.5533



14.3836, 28.2840, 4.7013



0.8521, 1.6061, 0.2651

Inverse Universe

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



38.6179, 24.6252, 64.3486



55.1174, 31.3524, 97.7543



38.0695, 24.8793, 40.0718



12.1542, 11.9283, 14.9055



19.0466, 8.9992, 37.9256



1.1079, 0.5253, 2.1226

Previews

White Background



This preview shows how the XYZ color 31.7902, 50.7298, 18.9428 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 31.7902, 50.7298, 18.9428 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

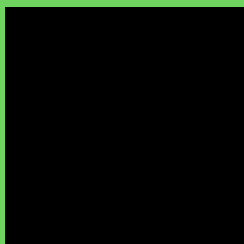
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7902, 50.7298, 18.9428

Background



This preview shows how black text looks on a background with the XYZ color 31.7902, 50.7298, 18.9428.



This preview shows how white text looks on a background with the XYZ color 31.7902, 50.7298,

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

31.7902, 50.7298, 18.9428

Protanopia

45.7571, 50.0809, 16.4874

Deuteranopia

50.9319, 49.8977, 20.0435



Tritanopia

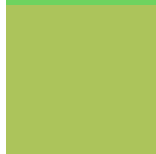
42.1632, 50.3115, 71.1072

Trichromacy



Original Color

31.7902, 50.7298, 18.9428



Protanomaly

38.6415, 49.0058, 17.3200



Deuteranomaly

41.2295, 48.6403, 19.5274



Tritanomaly

37.1641, 50.0121, 46.2226

Monochromacy



Original Color

31.7902, 50.7298, 18.9428



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

33.9808, 42.4071, 31.5937

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7902, 50.7298, 18.9428 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(110, 211, 95)` looks like.

```
.text, #text, p{  
    color:rgb(110, 211, 95)  
}
```

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(110, 211, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 211, 95) }
```

Border

The CSS property to change the border of an element to XYZ 31.7902, 50.7298, 18.9428 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(110, 211, 95) }
```


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

```
.border{ border-color:rgb(110, 211, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 211, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 211, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 211, 95);  
box-shadow:4px 4px 4px 4px rgb(110, 211,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7902, 50.7298, 18.9428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 211, 95) }
```

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

```
.background{ background-color: rgb(110,  
211, 95) }
```

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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