

Converting Colors

XYZ(31.4850, 49.4262, 20.9775)

Have a look what the booklet for
XYZ(31.4850, 49.4262, 20.9775)
contains.

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Color

**XYZ(31.4850, 49.4262,
20.9775)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 6ED068 |
| RGB | 110, 208, 104 |
| RGB Percent | 43%, 82%, 41% |
| CMY | 0.5686, 0.1843, 0.5921 |
| CMYK | 0.47, 0.00, 0.50, 0.18 |
| HSL | 117°, 53%, 61% |
| HSV | 117°, 50%, 82% |
| XYZ | 31.4850, 49.4262, 20.9775 |
| YIQ | 166.8420, -25.0240, -53.1200 |

Conversions

Conversions Part 2

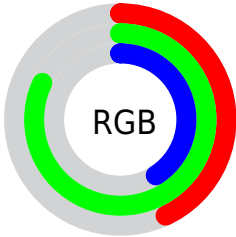
| Format | Color |
|-------------------------------------|--|
| RYB | 104, 208, 202 |
| Decimal | 7262312 |
| CIELab | 75.72, -49.37, 42.62 |
| CIElCh | 76, 65.218, 139.196 |
| Yxy | 49.4262, 0.3090, 0.4851 |
| Android (android.graphics.Color) | 4285452392 (0xFF6ED068) |
| YUV | 166.8420, -30.9811, -49.8504 |
| Hunter-Lab | 70.3038, -43.0918, 31.5215 |

Details

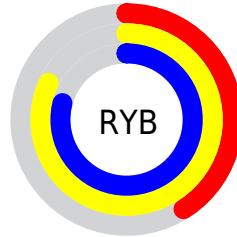
The XYZ color **31.4850, 49.4262, 20.9775** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.6950, 27.0129, 62.7462**, and the grayscale version is **36.8095, 38.7265, 42.1731**.

A 20% lighter version of the original color is **57.7822, 82.1698, 44.7132**, and **13.3991, 23.7433, 7.2449** is the 20% darker color. If you saturate the color by 10%, you get **28.3815, 47.9351, 15.9812**, and if you desaturate by 10%, it is **35.3909, 51.3037, 27.3735**.

Distribution



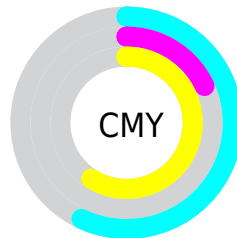
- Red (43%)
- Green (82%)
- Blue (41%)



- Red (41%)
- Yellow (82%)
- Blue (79%)



- Cyan (47%)
- Magenta (0%)
- Yellow (50%)
- Black (18%)





- Cyan (57%)
- Magenta (18%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4850, 49.4262, 20.9775 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 31.4850, 49.4262, 20.9775 by changing the saturation by 10% instead.


 31.4850, 49.4262,
20.9775


 31.4850, 49.4262,
20.9775


300.5537,
384.4178, 269.9360

 21.1221, 34.9577,
12.9165

 61.3735, 89.3241,
45.9304


 13.3262, 23.6303,
7.2410


 81.6298, 115.5223,
63.6593

 7.7321, 15.0596,
3.5326


 105.9146,
146.3992, 85.4480

 3.9744, 8.8612,
1.3726

 134.5933,
182.3392, 111.7149

 1.6876, 4.6508,
0.1202

168.0312,
223.7266, 142.8786

 0.4485, 2.0439,
0.0000

206.5936,

 0.0000, 0.6328,

270.9459, 179.3577

0.0000

250.6460,
324.3815, 221.5707

■ 0.0000, 0.0000,
0.0000

■ 31.4850, 49.4262,
20.9775

■ 31.4850, 49.4262,
20.9775

■ 28.3815, 47.9351,
15.9812

■ 35.3909, 51.3037,
27.3735

■ 26.0213, 46.7979,
12.2769

■ 40.1458, 53.5853,
35.2599

■ 24.3429, 45.9870,
9.7467


■ 45.7969, 56.2950,
44.7233


■ 23.2736, 45.4678,
8.2494


■ 52.3871, 59.4531,
55.8431


■ 22.7084, 45.1918,
7.5261

■ 59.9564, 63.0786,
68.6930

 22.7084, 45.1918,
7.5260

 68.5424, 67.1895,
83.3426

 78.1810, 71.8028,
99.8574

 81.8468, 73.5937,
104.4989

Harmonies

Analogous

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



39.7405, 49.4262, 12.2454



31.4850, 49.4262, 20.9775



27.6409, 49.4262, 42.2751

Triad

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



31.4850, 49.4262, 20.9775



42.7533, 49.4262, 149.3000



72.5344, 49.4262, 34.7575

Complementary

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



31.4850, 49.4262, 20.9775



40.6950, 27.0129, 62.7462

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.



73.7172, 49.4262, 67.2883



31.4850, 49.4262, 20.9775



55.0451, 49.4262, 144.3757

Square

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



31.4850, 49.4262, 20.9775



33.3637, 49.4262, 121.5930



66.8667, 49.4262, 110.1107



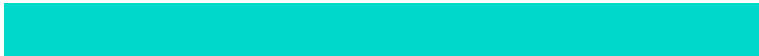
63.8684, 49.4262, 17.5114

Rectangle

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



31.4850, 49.4262, 20.9775



27.5614, 49.4262, 65.1751



66.8667, 49.4262, 110.1107



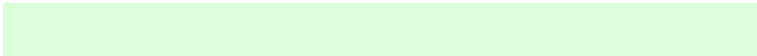
73.8703, 49.4262, 43.8612

Sweetspot

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



31.4862, 49.4283, 20.9786



77.4521, 91.5700, 79.0679



49.4155, 56.2162, 21.3438



16.1097, 19.3753, 16.1344



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.



31.4862, 49.4283, 20.9786



44.6917, 75.8474, 24.8549



33.6965, 50.2291, 36.3823



11.7185, 13.2383, 12.5497



14.1796, 28.1788, 4.6917



0.8155, 1.5873, 0.2634

Inverse Universe

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



40.6950, 27.0129, 62.7462



60.8692, 36.3474, 98.4153



37.5693, 25.9538, 37.6501



12.2407, 11.9729, 14.9095



21.3135, 10.1678, 38.0317



1.2127, 0.5793, 2.1275

Previews

White Background



This preview shows how the XYZ color 31.4850, 49.4262, 20.9775 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 31.4850, 49.4262, 20.9775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

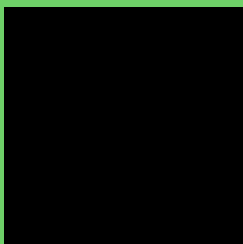
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

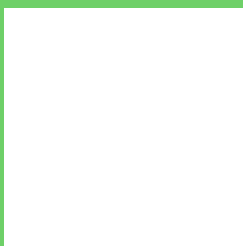
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.4850, 49.4262, 20.9775

Background



This preview shows how black text looks on a background with the XYZ color 31.4850, 49.4262, 20.9775.



This preview shows how white text looks on a background with the XYZ color 31.4850, 49.4262,

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

31.4850, 49.4262, 20.9775

Protanopia

44.8471, 48.9415, 18.1493

Deuteranopia

49.6981, 48.6217, 22.0948



Tritanopia

41.1393, 49.1389, 69.6038

Trichromacy



Original Color

31.4850, 49.4262, 20.9775



Protanomaly

38.1215, 48.0305, 19.0660



Deuteranomaly

40.2720, 47.1378, 21.4440



Tritanomaly

36.5093, 48.6108, 46.9937

Monochromacy



Original Color

31.4850, 49.4262, 20.9775



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

33.6161, 41.5805, 32.6396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4850, 49.4262, 20.9775 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, 208, 104)` looks like.

```
.text, #text, p{  
    color:rgb(110, 208, 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(110, 208, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 208, 104) }
```

Border

The CSS property to change the border of an element to XYZ 31.4850, 49.4262, 20.9775 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, 208, 104) }
```


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

```
.border{ border-color:rgb(110, 208, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 208, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 208, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 208, 104);  
box-shadow:4px 4px 4px 4px rgb(110, 208,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4850, 49.4262, 20.9775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 208, 104) }
```

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

```
.background{ background-color: rgb(110,  
208, 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](#).

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