

Converting Colors

XYZ(31.0937, 47.9631, 13.0878)

Have a look what the booklet for
XYZ(31.0937, 47.9631, 13.0878)
contains.

XYZ(31.0937, 47.9631, 13.0878)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.0937, 47.9631,
13.0878)**

Conversions

Conversions Part 1

Format	Color
Hex	7DCC44
RGB	125, 204, 68
RGB Percent	49%, 80%, 27%
CMY	0.5098, 0.2000, 0.7333
CMYK	0.39, 0.00, 0.67, 0.20
HSL	95°, 57%, 53%
HSV	95°, 67%, 80%
XYZ	31.0937, 47.9631, 13.0878
YIQ	164.8750, -3.4280, -59.0440

Conversions

Conversions Part 2

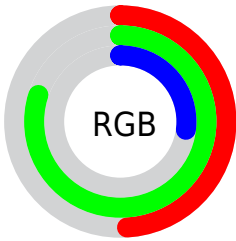
Format	Color
R_{YB}	68, 204, 147
Decimal	8244292
CIE _{Lab}	74.80, -46.87, 57.85
CIE _{LCh}	75, 74.453, 129.012
Yxy	47.9631, 0.3374, 0.5205
Android (android.graphics.Color)	4286434372 (0xFF7DCC44)
YUV	164.8750, -47.7594, -34.9704
Hunter-Lab	69.2554, -41.0555, 37.2742

Details

The XYZ color **31.0937, 47.9631, 13.0878** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **25.0012, 14.6985, 58.6489**, and the grayscale version is **35.9284, 37.7994, 41.1636**.

A 20% lighter version of the original color is **58.5643, 82.8702, 31.3212**, and **13.1313, 22.7238, 3.6940** is the 20% darker color. If you saturate the color by 10%, you get **28.9485, 46.9185, 10.2841**, and if you desaturate by 10%, it is **33.6642, 49.2049, 17.0438**.

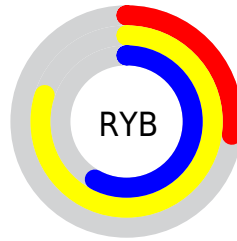
Distribution



Red (49%)

Green (80%)

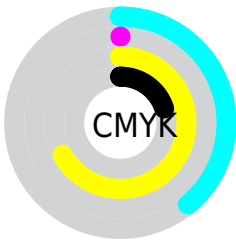
Blue (27%)



Red (27%)

Yellow (80%)

Blue (58%)

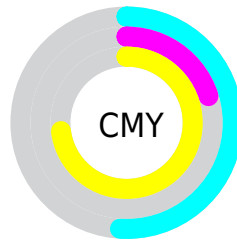


Cyan (39%)

Magenta (0%)

Yellow (67%)

Black (20%)



Cyan (51%)

Magenta (20%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0937, 47.9631, 13.0878 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 31.0937, 47.9631, 13.0878 by changing the saturation by 10% instead.

■ 31.0937, 47.9631,
13.0878

■ 31.0937, 47.9631,
13.0878

298.7889,
378.6458, 222.7072

■ 20.8224, 33.7977,
7.3576

■ 60.7624, 87.1495,
32.1549

■ 13.1060, 22.7382,
3.6049

■ 80.8905, 112.9392,
46.3289

■ 7.5790, 14.4003,
1.4112

■ 105.0349,
143.3724, 64.1546

■ 3.8763, 8.3996,
0.1504

■ 133.5610,
178.8337, 86.0505

■ 1.6324, 4.3517,
0.0000

■ 166.8340,
219.7072, 112.4352

■ 0.4134, 1.8722,
0.0000

205.2195,

■ 0.0000, 0.5316,

266.3775, 143.7272

0.0000

249.0827,
319.2289, 180.3450

■ 0.0000, 0.0000,
0.0000

■ 31.0937, 47.9631,
13.0878

■ 31.0937, 47.9631,
13.0878

■ 28.9485, 46.9185,
10.2841

■ 33.6642, 49.2049,
17.0438

■ 27.1943, 46.0518,
8.5049

■ 36.6838, 50.6493,
22.2559

■ 25.7940, 45.3487,
7.5891

■ 40.1780, 52.3089,
28.8196

■ 25.3853, 45.1424,
7.3754

■ 44.1692, 54.1935,
36.8205

■ 48.6784, 56.3121,
46.3371

■ 53.7251, 58.6732,
57.4421

■ 59.3277, 61.2849,
70.2037

■ 65.5039, 64.1547,
84.6858

■ 72.2704, 67.2899,
100.9494

Harmonies

Analogous

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



41.6327, 47.9631, 7.7881



31.0937, 47.9631, 13.0878



25.3562, 47.9631, 29.8242

Triad

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



31.0937, 47.9631, 13.0878



36.8896, 47.9631, 157.2478



76.4123, 47.9631, 41.4010

Complementary

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



31.0937, 47.9631, 13.0878



25.0012, 14.6985, 58.6489

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.



74.4469, 47.9631, 83.7150



31.0937, 47.9631, 13.0878



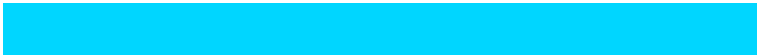
49.7851, 47.9631, 165.7881

Square

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



31.0937, 47.9631, 13.0878



28.2133, 47.9631, 114.5661



64.0033, 47.9631, 134.1465



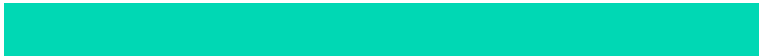
68.9377, 47.9631, 17.9619

Rectangle

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



31.0937, 47.9631, 13.0878



24.2091, 47.9631, 50.9488



64.0033, 47.9631, 134.1465



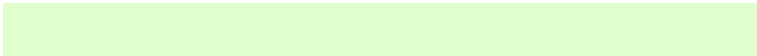
76.8609, 47.9631, 53.5196

Sweetspot

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



31.0948, 47.9652, 13.0888



77.8269, 91.9473, 70.7724



36.0828, 33.5279, 10.0393



16.2032, 19.4667, 14.1883



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.



31.0948, 47.9652, 13.0888



46.5912, 77.0347, 15.5455



25.3202, 44.9537, 14.3767



11.5061, 12.7628, 11.9365



16.0781, 28.4638, 4.6467



0.9153, 1.5127, 0.2437

Inverse Universe

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



25.0012, 14.6985, 58.6489



35.7050, 18.0788, 96.2154



36.8137, 20.9101, 53.6886



11.2155, 11.1604, 14.1334



11.7141, 5.2464, 36.3515



0.6896, 0.3146, 1.8793

Previews

White Background



This preview shows how the XYZ color 31.0937, 47.9631, 13.0878 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 31.0937, 47.9631, 13.0878 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

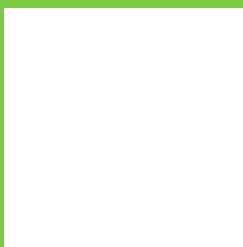
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.0937, 47.9631, 13.0878

Background



This preview shows how black text looks on a background with the XYZ color 31.0937, 47.9631, 13.0878.



This preview shows how white text looks on a background with the XYZ color 31.0937, 47.9631,

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

31.0937, 47.9631, 13.0878

Protanopia

42.9798, 47.1939, 11.4015

Deuteranopia

48.1898, 47.1531, 13.7693



Tritanopia

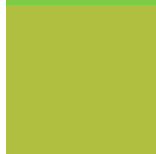
41.6254, 47.8288, 65.4305

Trichromacy



Original Color

31.0937, 47.9631, 13.0878



Protanomaly

37.4607, 46.8619, 11.9213



Deuteranomaly

39.8202, 46.1395, 13.2856



Tritanomaly

36.2219, 47.2834, 38.6700

Monochromacy



Original Color

31.0937, 47.9631, 13.0878



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.7270, 40.3359, 27.1798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0937, 47.9631, 13.0878 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(125, 204, 68)` looks like.

```
.text, #text, p{  
    color:rgb(125, 204, 68)  
}
```

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(125, 204, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 204, 68) }
```

Border

The CSS property to change the border of an element to XYZ 31.0937, 47.9631, 13.0878 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(125, 204, 68) }
```


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

```
.border{ border-color:rgb(125, 204, 68) }
```

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

Here you see how a box with a 4 pixel rgb(125, 204, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 204, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 204, 68);  
box-shadow:4px 4px 4px 4px rgb(125, 204,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0937, 47.9631, 13.0878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 204, 68) }
```

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

```
.background{ background-color: rgb(125,  
204, 68) }
```

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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