

Converting Colors

XYZ(31.1792, 41.6702, 13.6075)

Have a look what the booklet for
XYZ(31.1792, 41.6702, 13.6075)
contains.

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Color

**XYZ(31.1185, 41.6375,
13.6045)**

Conversions

Conversions Part 1

Format	Color
Hex	95B94E
RGB	149, 185, 78
RGB Percent	58%, 73%, 31%
CMY	0.4157, 0.2745, 0.6941
CMYK	0.19, 0.00, 0.58, 0.27
HSL	80°, 43%, 52%
HSV	80°, 58%, 73%
XYZ	31.1185, 41.6375, 13.6045
YIQ	162.0380, 12.8910, -40.9090

Conversions

Conversions Part 2

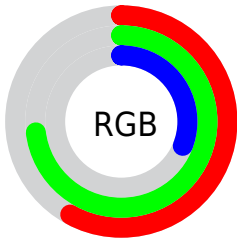
Format	Color
RYB	78, 185, 114
Decimal	9812302
CIELab	70.62, -28.75, 49.36
CIElCh	71, 57.123, 120.220
Yxy	41.6375, 0.3603, 0.4821
Android (android.graphics.Color)	4288002382 (0xFF95B94E)
YUV	162.0380, -41.4307, -11.4343
Hunter-Lab	64.5271, -26.8400, 32.6687

Details

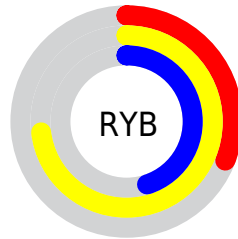
The XYZ color **31.1185, 41.6375, 13.6045** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **18.4225, 12.5302, 47.3489**, and the grayscale version is **34.5452, 36.3443, 39.5789**.

A 20% lighter version of the original color is **60.7289, 77.5284, 33.2365**, and **13.1354, 19.0014, 3.8395** is the 20% darker color. If you saturate the color by 10%, you get **29.4411, 40.8403, 10.5376**, and if you desaturate by 10%, it is **33.0452, 42.5444, 17.6586**.

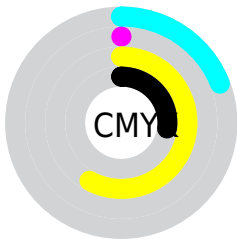
Distribution



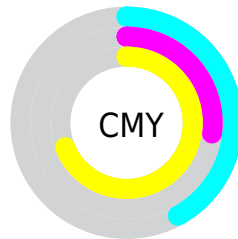
- Red (58%)
- Green (73%)
- Blue (31%)



- Red (31%)
- Yellow (73%)
- Blue (45%)



- Cyan (19%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)



- Cyan (42%)
- Magenta (27%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1185, 41.6375, 13.6045 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 31.1185, 41.6375, 13.6045 by changing the saturation by 10% instead.

■ 31.1185, 41.6375,
13.6045

■ 31.1185, 41.6375,
13.6045

298.9010,
352.9780, 226.0986

■ 20.8414, 28.8176,
7.7105

■ 60.8012, 77.6507,
33.0926

■ 13.1199, 18.9428,
3.8252

■ 80.9374, 101.6127,
47.5237

■ 7.5887, 11.6290,
1.5299

■ 105.0907,
130.0576, 65.6377

■ 3.8825, 6.4916,
0.2401

■ 133.6265,
163.3697, 87.8530

■ 1.6359, 3.1462,
0.0000

■ 166.9100,
201.9334, 114.5882

■ 0.4156, 1.2085,
0.0000

205.3067,

■ 0.0000, 0.0687,

246.1331, 146.2618

0.0000

249.1820,
296.3531, 183.2924

■ 0.0000, 0.0000,
0.0000

■ 31.1185, 41.6375,
13.6045

■ 31.1185, 41.6375,
13.6045

■ 29.4411, 40.8403,
10.5376

■ 33.0452, 42.5444,
17.6586

■ 27.9929, 40.1402,
8.3705

■ 35.2334, 43.5615,
22.7721

■ 26.7553, 39.5311,
7.0048

■ 37.6978, 44.6964,
29.0139

■ 25.6983, 39.0009,
6.2884

■ 40.4511, 45.9541,
36.4460

■ 25.4829, 38.8924,
6.1639

■ 43.5051, 47.3395,
45.1259

■ 46.8708, 48.8572,
55.1075

■ 50.5587, 50.5113,
66.4415

■ 54.5787, 52.3060,
79.1758

■ 58.9402, 54.2451,
93.3562

Harmonies

Analogous

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



39.5054, 41.6375, 10.6754



31.1185, 41.6375, 13.6045



25.8104, 41.6375, 24.0962

Triad

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



31.1185, 41.6375, 13.6045



31.2217, 41.6375, 107.1361



60.6603, 41.6375, 45.1364

Complementary

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



31.1185, 41.6375, 13.6045



18.4225, 12.5302, 47.3489

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.



57.5271, 41.6375, 76.3927



31.1185, 41.6375, 13.6045



39.6451, 41.6375, 119.7918

Square

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



31.1185, 41.6375, 13.6045



25.8629, 41.6375, 76.8844



49.4400, 41.6375, 106.7816



57.4375, 41.6375, 23.8696

Rectangle

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



31.1185, 41.6375, 13.6045



24.2379, 41.6375, 37.0614



49.4400, 41.6375, 106.7816



60.3103, 41.6375, 54.7591

Sweetspot

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



31.1195, 41.6394, 13.6054



72.7354, 82.4318, 66.0804



27.3641, 22.8253, 10.1718



15.4589, 17.6698, 13.6332



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.1195, 41.6394, 13.6054



52.0967, 72.8384, 17.8464



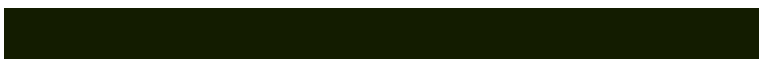
23.5318, 37.7278, 13.2503



9.4487, 10.3479, 9.6063



17.4306, 26.5221, 4.2006



0.6775, 0.9675, 0.1510

Inverse Universe

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



18.4225, 12.5302, 47.3489



27.3527, 15.9548, 83.8425



27.4545, 17.1863, 47.7716



8.7983, 8.8624, 11.3263



7.3965, 3.1242, 31.4663



0.3283, 0.1450, 1.1124

Previews

White Background



This preview shows how the XYZ color 31.1185, 41.6375, 13.6045 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 31.1185, 41.6375, 13.6045 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 31.1185, 41.6375, 13.6045

Background



This preview shows how black text looks on a background with the XYZ color 31.1185, 41.6375, 13.6045.



This preview shows how white text looks on a background with the XYZ color 31.1185, 41.6375,

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

31.1185, 41.6375, 13.6045

Protanopia

37.9178, 41.5880, 12.5074

Deuteranopia

42.0271, 41.1881, 14.1225



Tritanopia

39.2099, 41.6465, 52.9857

Trichromacy



Original Color

31.1185, 41.6375, 13.6045

Protanomaly

34.8966, 41.1824, 12.7664

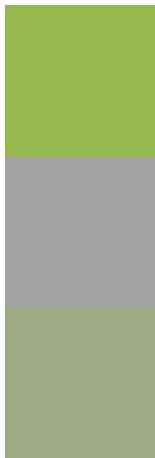
Deuteranomaly

37.2618, 40.9331, 13.9196

Tritanomaly

35.2874, 41.2165, 33.6995

Monochromacy



Original Color

31.1185, 41.6375, 13.6045

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.3761, 37.5562, 27.0154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1185, 41.6375, 13.6045 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(149, 185, 78)` looks like.

```
.text, #text, p{  
    color:rgb(149, 185, 78)  
}
```

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(149, 185, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 185, 78) }
```

Border

The CSS property to change the border of an element to XYZ 31.1185, 41.6375, 13.6045 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(149, 185, 78) }
```


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

```
.border{ border-color:rgb(149, 185, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 185, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 185, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 185, 78);  
box-shadow:4px 4px 4px 4px rgb(149, 185,  
78) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1185, 41.6375, 13.6045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 185, 78) }
```

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

```
.background{ background-color: rgb(149,  
185, 78) }
```

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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