

Converting Colors

XYZ(19.8996, 31.2871, 6.5034)

Have a look what the booklet for
XYZ(19.8996, 31.2871, 6.5034)
contains.

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Color

**XYZ(19.8435, 31.2581,
6.5009)**

Conversions

Conversions Part 1

Format	Color
Hex	65A922
RGB	101, 169, 34
RGB Percent	40%, 66%, 13%
CMY	0.6039, 0.3372, 0.8666
CMYK	0.40, 0.00, 0.80, 0.34
HSL	90°, 66%, 40%
HSV	90°, 80%, 66%
XYZ	19.8435, 31.2581, 6.5009
YIQ	133.2780, 2.8070, -56.4010

Conversions

Conversions Part 2

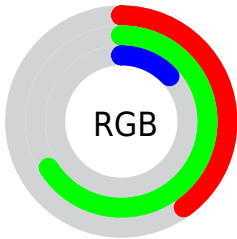
Format	Color
RYB	34, 169, 102
Decimal	6662434
CIELab	62.72, -42.71, 57.56
CIELCh	63, 71.680, 126.577
Yxy	31.2581, 0.3445, 0.5427
Android (android.graphics.Color)	4284852514 (0xFF65A922)
YUV	133.2780, -48.9441, -28.3078
Hunter-Lab	55.9089, -34.4865, 32.2422

Details

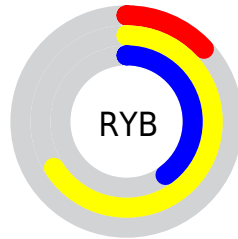
The XYZ color **19.8435, 31.2581, 6.5009** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **13.2145, 6.8344, 38.1606**, and the grayscale version is **22.5689, 23.7442, 25.8575**.

A 20% lighter version of the original color is **42.7182, 61.7739, 19.5696**, and **7.2417, 13.0044, 2.1284** is the 20% darker color. If you saturate the color by 10%, you get **18.7530, 30.7185, 5.4755**, and if you desaturate by 10%, it is **21.1541, 31.8993, 8.1634**.

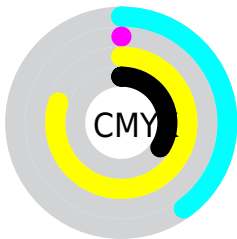
Distribution



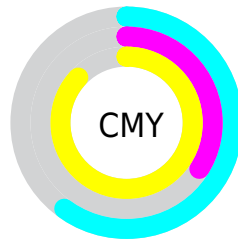
- Red (40%)
- Green (66%)
- Blue (13%)



- Red (13%)
- Yellow (66%)
- Blue (40%)



- Cyan (40%)
- Magenta (0%)
- Yellow (80%)
- Black (34%)





- Cyan (60%)
- Magenta (34%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8435, 31.2581, 6.5009 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 19.8435, 31.2581, 6.5009 by changing the saturation by 10% instead.


 19.8435, 31.2581,
6.5009


 19.8435, 31.2581,
6.5009


243.9164,
307.7256, 172.9201


 12.3889, 20.7955,
3.0783


 42.6606, 61.6462,
19.4574


 7.0832, 12.9746,
1.1348


 58.7538, 82.3404,
29.8283


 3.5610, 7.4110,
0.0000


 78.4573, 107.2140,
43.3525

 1.4569, 3.7205,
0.0000

 102.1365,
136.6513, 60.4483

 0.2962, 1.5185,
0.0000

 130.1566,
171.0367, 81.5345

 0.0000, 0.3017,
0.0000

 162.8830,

 0.0000, 0.0000,

210.7547, 107.0295

0.0000

200.6812,
256.1895, 137.3518

■ 19.8435, 31.2581,
6.5009

■ 19.8435, 31.2581,
6.5009

■ 18.7530, 30.7185,
5.4755

■ 21.1541, 31.8993,
8.1634

■ 17.8435, 30.2613,
4.9064

■ 22.7009, 32.6456,
10.5427

■ 17.8331, 30.2561,
4.9001

■ 24.5007, 33.5052,
13.7092

■ 26.5677, 34.4841,
17.7243

■ 28.9149, 35.5877,
22.6432

■ 31.5544, 36.8212,
28.5166

■ 34.4975, 38.1892,
35.3913

■ 37.7548, 39.6965,
43.3111

■ 41.3362, 41.3472,
52.3172

Harmonies

Analogous

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



27.6053, 31.2581, 3.6562



19.8435, 31.2581, 6.5009



15.5660, 31.2581, 16.7849

Triad

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



19.8435, 31.2581, 6.5009



22.8363, 31.2581, 111.3611



52.6133, 31.2581, 28.2251

Complementary

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



19.8435, 31.2581, 6.5009



13.2145, 6.8344, 38.1606

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.



50.5511, 31.2581, 60.2844



19.8435, 31.2581, 6.5009



31.9189, 31.2581, 120.6177

Square

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



19.8435, 31.2581, 6.5009



17.0099, 31.2581, 77.3385



42.4008, 31.2581, 98.2970



47.5396, 31.2581, 10.9541

Rectangle

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



19.8435, 31.2581, 6.5009



14.6002, 31.2581, 30.9154



42.4008, 31.2581, 98.2970



52.7455, 31.2581, 37.3572

Sweetspot

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



19.8442, 31.2595, 6.5016



54.2923, 64.9070, 46.0653



21.3546, 17.9566, 3.8543



11.4865, 13.9847, 9.2738



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



19.8442, 31.2595, 6.5016



32.3000, 54.3662, 9.0432



15.1373, 28.8330, 6.2813



7.7780, 8.5837, 8.0361



13.3520, 22.5805, 3.6547



0.3840, 0.5799, 0.0917

Inverse Universe

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



13.2145, 6.8344, 38.1606



19.9680, 8.9536, 67.9009



24.0969, 12.4445, 38.6698



7.4784, 7.4792, 9.4678



8.2003, 3.6109, 28.2402



0.2585, 0.1183, 0.6898

Previews

White Background



This preview shows how the XYZ color 19.8435, 31.2581, 6.5009 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 19.8435, 31.2581, 6.5009 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 19.8435, 31.2581, 6.5009

Background



This preview shows how black text looks on a background with the XYZ color 19.8435, 31.2581, 6.5009.



This preview shows how white text looks on a background with the XYZ color 19.8435, 31.2581,

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

19.8435, 31.2581, 6.5009

Protanopia

27.8659, 30.7680, 5.6325

Deuteranopia

31.3218, 30.6690, 6.9582



Tritanopia

27.0584, 31.0093, 42.5895

Trichromacy



Original Color

19.8435, 31.2581, 6.5009

Protanomaly

24.1512, 30.5724, 5.9245

Deuteranomaly

25.5508, 29.7917, 6.5942

Tritanomaly

23.0061, 30.3809, 22.7407

Monochromacy



Original Color

19.8435, 31.2581, 6.5009

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.3217, 25.4858, 15.1574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8435, 31.2581, 6.5009 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(101, 169, 34)` looks like.

```
.text, #text, p{  
    color:rgb(101, 169, 34)  
}
```

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(101, 169, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 169, 34) }
```

Border

The CSS property to change the border of an element to XYZ 19.8435, 31.2581, 6.5009 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(101, 169, 34) }
```


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

```
.border{ border-color:rgb(101, 169, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 169, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 169, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 169, 34);  
box-shadow:4px 4px 4px 4px rgb(101, 169,  
34) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8435, 31.2581, 6.5009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 169, 34) }
```

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

```
.background{ background-color: rgb(101,  
169, 34) }
```

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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