

Converting Colors

XYZ(19.9544, 30.9514, 2.2261)

Have a look what the booklet for
XYZ(19.9544, 30.9514, 2.2261)
contains.

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Color

**XYZ(20.3743, 31.0169,
4.9130)**

Conversions

Conversions Part 1

Format	Color
Hex	6FA700
RGB	111, 167, 0
RGB Percent	44%, 65%, 0%
CMY	0.5647, 0.3451, 0.9999
CMYK	0.34, 0.00, 1.00, 0.35
HSL	80°, 100%, 33%
HSV	80°, 100%, 65%
XYZ	20.3743, 31.0169, 4.9130
YIQ	131.2180, 20.2310, -63.8090

Conversions

Conversions Part 2

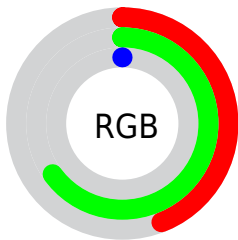
Format	Color
RYB	0, 167, 56
Decimal	7317248
CIELab	62.52, -39.22, 64.18
CIELCh	63, 75.214, 121.427
Yxy	31.0169, 0.3619, 0.5509
Android (android.graphics.Color)	4285507328 (0xFF6FA700)
YUV	131.2180, -64.6905, -17.7312
Hunter-Lab	55.6928, -32.1611, 33.7546

Details

The XYZ color **20.3743, 31.0169, 4.9130** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.6074, 3.6317, 36.8082**, and the grayscale version is **21.8720, 23.0110, 25.0590**.

A 20% lighter version of the original color is **43.5058, 61.0618, 15.9717**, and **7.7063, 13.0737, 2.1173** is the 20% darker color. If you saturate the color by 10%, you get **20.3743, 31.0179, 4.9132**, and if you desaturate by 10%, it is **21.2009, 31.4326, 5.4684**.

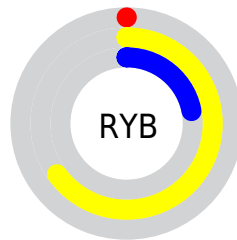
Distribution



Red (44%)

Green (65%)

Blue (0%)



Red (0%)

Yellow (65%)

Blue (22%)

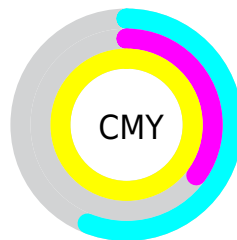


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (35%)



Cyan (56%)

Magenta (35%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3743, 31.0169, 4.9130 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 20.3743, 31.0169, 4.9130 by changing the saturation by 10% instead.

■ 20.3743, 31.0169,
4.9130

■ 20.3743, 31.0169,
4.9130

■ 246.7294,
306.6162, 157.8891

■ 12.7773, 20.6117,
2.1385

■ 43.5430, 61.2667,
16.0660

■ 7.3513, 12.8405,
0.6385

■ 59.8454, 81.8801,
25.2815

■ 3.7310, 7.3188,
0.0000

■ 79.7803, 106.6650,
37.4811

■ 1.5511, 3.6623,
0.0000

■ 103.7130,
136.0058, 53.0833

■ 0.3602, 1.4865,
0.0000

■ 132.0089,
170.2869, 72.5067

■ 0.0000, 0.2792,
0.0000

■ 165.0334,

■ 0.0000, 0.0000,

209.8928, 96.1697

0.0000

203.1518,
255.2077, 124.4910

20.3743, 31.0169,
4.9130

20.3743, 31.0169,
4.9130

20.3743, 31.0179,
4.9132

21.2009, 31.4326,
5.4684

22.1544, 31.9032,
6.4598

23.2700, 32.4439,
8.0665

24.5637, 33.0612,
10.3681

26.0489, 33.7606,
13.4320

■ 27.7377, 34.5469,
17.3179

■ 29.6410, 35.4247,
22.0795

■ 31.7687, 36.3979,
27.7657

■ 34.1302, 37.4705,
34.4221

Harmonies

Analogous

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



28.9939, 31.0169, 2.9681



20.3743, 31.0169, 4.9130



15.3696, 31.0169, 13.3706

Triad

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



20.3743, 31.0169, 4.9130



21.0442, 31.0169, 111.2456



53.8169, 31.0169, 32.3897

Complementary

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



20.3743, 31.0169, 4.9130



8.6074, 3.6317, 36.8082

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.



50.3288, 31.0169, 68.4805



20.3743, 31.0169, 4.9130



29.9728, 31.0169, 127.0809

Square

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



20.3743, 31.0169, 4.9130



15.6889, 31.0169, 72.4442



40.9619, 31.0169, 108.1711



49.6329, 31.0169, 12.1038

Rectangle

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



20.3743, 31.0169, 4.9130



14.0039, 31.0169, 26.0570



40.9619, 31.0169, 108.1711



53.4986, 31.0169, 42.8770

Sweetspot

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



20.3750, 31.0183, 4.9137



52.8843, 63.3494, 39.0282



17.3358, 11.0131, 1.2125



11.5166, 14.0301, 7.9246



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.



20.3750, 31.0183, 4.9137



36.2603, 55.4315, 8.7882



14.2941, 27.8835, 4.6291



7.8988, 8.6459, 8.0418



15.6435, 23.7618, 3.7620



0.4316, 0.6044, 0.0939

Inverse Universe

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



8.6074, 3.6317, 36.8082



15.2162, 6.4012, 65.9089



17.6517, 8.2943, 37.2315



7.3601, 7.4182, 9.4623



6.6332, 2.8030, 28.1669



0.2155, 0.0961, 0.6878

Previews

White Background



This preview shows how the XYZ color 20.3743, 31.0169, 4.9130 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 20.3743, 31.0169, 4.9130 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 20.3743, 31.0169, 4.9130

Background



This preview shows how black text looks on a background with the XYZ color 20.3743, 31.0169, 4.9130.



This preview shows how white text looks on a background with the XYZ color 20.3743, 31.0169,

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

20.3743, 31.0169, 4.9130

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.3184, 30.6964, 5.6408



Tritanopia

27.6913, 30.8590, 41.5427

Trichromacy



Original Color

20.3743, 31.0169, 4.9130

Protanomaly

24.4514, 30.5035, 4.5990

Deuteranomaly

26.0524, 30.0840, 5.0955

Tritanomaly

23.0780, 29.9954, 18.4833

Monochromacy



Original Color

20.3743, 31.0169, 4.9130

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

19.8468, 24.8561, 11.9353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3743, 31.0169, 4.9130 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(111, 167, 0)` looks like.

```
.text, #text, p{  
    color:rgb(111, 167, 0)  
}
```

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(111, 167, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 167, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.3743, 31.0169, 4.9130 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(111, 167, 0) }
```


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

```
.border{ border-color:rgb(111, 167, 0) }
```

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

Here you see how a box with a 4 pixel rgb(111, 167, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 167, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 167, 0);  
box-shadow:4px 4px 4px 4px rgb(111, 167,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3743, 31.0169, 4.9130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 167, 0) }
```

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

```
.background{ background-color: rgb(111,  
167, 0) }
```

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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