

Converting Colors

XYZ(21.0014, 31.1810, 5.2242)

Have a look what the booklet for
XYZ(21.0014, 31.1810, 5.2242)
contains.

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Color

**XYZ(20.8991, 31.0096,
5.2006)**

Conversions

Conversions Part 1

Format	Color
Hex	74A60B
RGB	116, 166, 11
RGB Percent	45%, 65%, 4%
CMY	0.5451, 0.3490, 0.9568
CMYK	0.30, 0.00, 0.93, 0.35
HSL	79°, 88%, 35%
HSV	79°, 93%, 65%
XYZ	20.8991, 31.0096, 5.2006
YIQ	133.3800, 19.9550, -58.8050

Conversions

Conversions Part 2

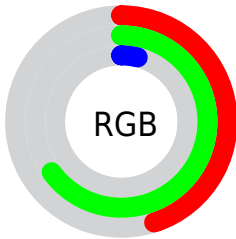
Format	Color
RYB	11, 166, 61
Decimal	7644683
CIELab	62.52, -36.64, 62.81
CIElCh	63, 72.715, 120.261
Yxy	31.0096, 0.3659, 0.5430
Android (android.graphics.Color)	4285834763 (0xFF74A60B)
YUV	133.3800, -60.3333, -15.2423
Hunter-Lab	55.6863, -30.4598, 33.4432

Details

The XYZ color **20.8991, 31.0096, 5.2006** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.9288, 3.9857, 36.3769**, and the grayscale version is **22.6427, 23.8219, 25.9421**.

A 20% lighter version of the original color is **44.2449, 61.0336, 16.6564**, and **7.8808, 12.9953, 2.0930** is the 20% darker color. If you saturate the color by 10%, you get **20.3758, 30.7478, 4.8610**, and if you desaturate by 10%, it is **21.7770, 31.4465, 5.9967**.

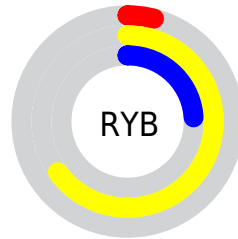
Distribution



Red (45%)

Green (65%)

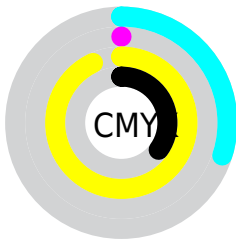
Blue (4%)



Red (4%)

Yellow (65%)

Blue (24%)

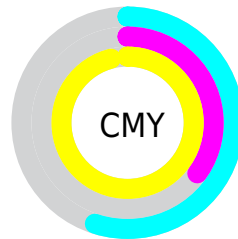


Cyan (30%)

Magenta (0%)

Yellow (93%)

Black (35%)



Cyan (55%)

Magenta (35%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8991, 31.0096, 5.2006 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 20.8991, 31.0096, 5.2006 by changing the saturation by 10% instead.

■ 20.8991, 31.0096,
5.2006

■ 20.8991, 31.0096,
5.2006

■ 249.4837,
306.5825, 160.7584

■ 13.1623, 20.6062,
2.3046

■ 44.4121, 61.2552,
16.6957

■ 7.6182, 12.8364,
0.7338

■ 60.9190, 81.8661,
26.1319

■ 3.9014, 7.3160,
0.0000

■ 81.0800, 106.6483,
38.5852

■ 1.6465, 3.6605,
0.0000

■ 105.2604,
135.9862, 54.4743

■ 0.4224, 1.4855,
0.0000

■ 133.8257,
170.2642, 74.2176

■ 0.0000, 0.2785,
0.0000

■ 167.1410,

■ 0.0000, 0.0000,

209.8667, 98.2337

0.0000

205.5719,
255.1780, 126.9412

20.8991, 31.0096,
5.2006

20.8991, 31.0096,
5.2006

20.3758, 30.7478,
4.8610

21.7770, 31.4465,
5.9967

22.8051, 31.9472,
7.3687

24.0005, 32.5197,
9.4010

25.3772, 33.1697,
12.1635

26.9475, 33.9022,
15.7173

■ 28.7222, 34.7215,
20.1170

■ 30.7115, 35.6319,
25.4123

■ 32.9247, 36.6371,
31.6493

■ 35.3703, 37.7406,
38.8706

Harmonies

Analogous

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



29.3874, 31.0096, 3.3481



20.8991, 31.0096, 5.2006



15.8639, 31.0096, 13.3271

Triad

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



20.8991, 31.0096, 5.2006



21.0183, 31.0096, 106.4668



52.8458, 31.0096, 33.5173

Complementary

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



20.8991, 31.0096, 5.2006



8.9288, 3.9857, 36.3769

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.



49.2384, 31.0096, 68.5845



20.8991, 31.0096, 5.2006



29.5602, 31.0096, 122.6306

Square

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



20.8991, 31.0096, 5.2006



15.9212, 31.0096, 69.2743



40.1215, 31.0096, 105.9356



49.1169, 31.0096, 13.0978

Rectangle

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



20.8991, 31.0096, 5.2006



14.4346, 31.0096, 25.3710



40.1215, 31.0096, 105.9356



52.4430, 31.0096, 43.8301

Sweetspot

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



20.8998, 31.0110, 5.2013



53.8247, 63.7925, 40.9555



17.4080, 11.3733, 1.5948



11.7163, 14.1249, 8.3031



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.



20.8998, 31.0110, 5.2013



36.7488, 55.6833, 8.8111



14.5505, 27.7378, 4.9041



7.9080, 8.6507, 8.0422



15.8500, 23.8682, 3.7716



0.4356, 0.6065, 0.0941

Inverse Universe

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



8.9288, 3.9857, 36.3769



15.0126, 6.2963, 65.8993



17.4165, 8.3613, 36.7741



7.3512, 7.4137, 9.4619



6.5430, 2.7565, 28.1627



0.2122, 0.0944, 0.6877

Previews

White Background



This preview shows how the XYZ color 20.8991, 31.0096, 5.2006 looks on a white background.

Color Contrast Check

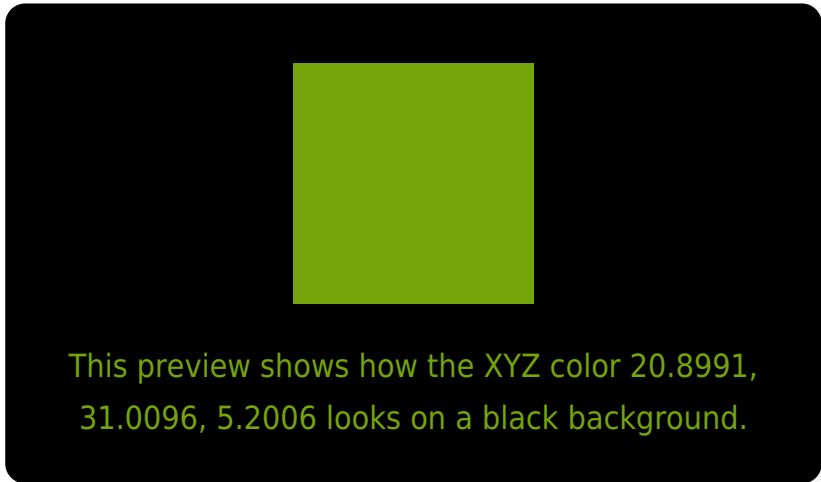
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 20.8991, 31.0096, 5.2006

Background



This preview shows how black text looks on a background with the XYZ color 20.8991, 31.0096, 5.2006.



This preview shows how white text looks on a background with the XYZ color 20.8991, 31.0096,

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

20.8991, 31.0096, 5.2006

Protanopia

27.6442, 30.6793, 4.4647

Deuteranopia

31.3322, 30.7019, 5.7135



Tritanopia

28.0464, 30.8068, 41.0273

Trichromacy



Original Color

20.8991, 31.0096, 5.2006

Protanomaly

24.4881, 30.2697, 4.6668

Deuteranomaly

26.3463, 29.9899, 5.3197

Tritanomaly

23.6455, 30.0151, 19.2991

Monochromacy



Original Color

20.8991, 31.0096, 5.2006

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

20.6810, 25.4841, 13.2801

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8991, 31.0096, 5.2006 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(116, 166, 11)` looks like.

```
.text, #text, p{  
    color:rgb(116, 166, 11)  
}
```

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(116, 166, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 166, 11) }
```

Border

The CSS property to change the border of an element to XYZ 20.8991, 31.0096, 5.2006 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(116, 166, 11) }
```


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

```
.border{ border-color:rgb(116, 166, 11) }
```

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

Here you see how a box with a 4 pixel rgb(116, 166, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 166, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 166, 11);  
box-shadow:4px 4px 4px 4px rgb(116, 166,  
11) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8991, 31.0096, 5.2006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 166, 11) }
```

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

```
.background{ background-color: rgb(116,  
166, 11) }
```

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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