

Converting Colors

XYZ(20.2813, 31.8105, 6.0457)

Have a look what the booklet for
XYZ(20.2813, 31.8105, 6.0457)
contains.

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Color

**XYZ(20.2701, 31.7671,
6.0406)**

Conversions

Conversions Part 1

Format	Color
Hex	68AA1A
RGB	104, 170, 26
RGB Percent	41%, 67%, 10%
CMY	0.5922, 0.3333, 0.8980
CMYK	0.39, 0.00, 0.85, 0.33
HSL	88°, 73%, 38%
HSV	88°, 85%, 67%
XYZ	20.2701, 31.7671, 6.0406
YIQ	133.8500, 6.8880, -58.7760

Conversions

Conversions Part 2

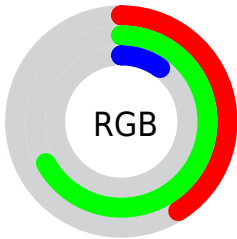
Format	Color
R_{YB}	26, 170, 92
Decimal	6859290
CIE _{Lab}	63.15, -42.44, 60.19
CIE _{LCh}	63, 73.642, 125.186
Yxy	31.7671, 0.3490, 0.5470
Android (android.graphics.Color)	4285049370 (0xFF68AA1A)
YUV	133.8500, -53.1700, -26.1784
Hunter-Lab	56.3623, -34.4384, 33.0992

Details

The XYZ color **20.2701, 31.7671, 6.0406** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **12.0404, 5.9175, 38.5396**, and the grayscale version is **22.7933, 23.9803, 26.1145**.

A 20% lighter version of the original color is **43.3733, 62.5382, 18.5892**, and **7.4880, 13.3034, 2.1732** is the 20% darker color. If you saturate the color by 10%, you get **19.2705, 31.2686, 5.2784**, and if you desaturate by 10%, it is **21.4673, 32.3564, 7.4003**.

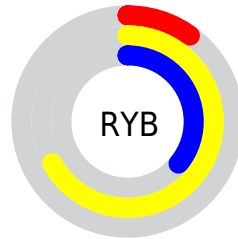
Distribution



Red (41%)

Green (67%)

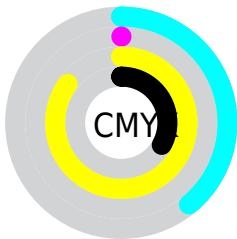
Blue (10%)



Red (10%)

Yellow (67%)

Blue (36%)

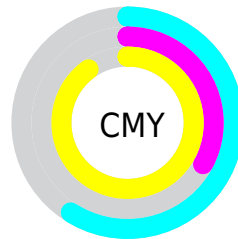


Cyan (39%)

Magenta (0%)

Yellow (85%)

Black (33%)



Cyan (59%)

Magenta (33%)

Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2701, 31.7671, 6.0406 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 20.2701, 31.7671, 6.0406 by changing the saturation by 10% instead.

■ 20.2701, 31.7671,
6.0406

■ 20.2701, 31.7671,
6.0406

246.1794,
310.0569, 168.7516

■ 12.7009, 21.1837,
2.8006

■ 43.3701, 62.4458,
18.4942

■ 7.2985, 13.2583,
0.9937

■ 59.6316, 83.3099,
28.5449

■ 3.6975, 7.6067,
0.0000

■ 79.5212, 108.3696,
41.7029

■ 1.5324, 3.8443,
0.0000

■ 103.4044,
138.0094, 58.3868

■ 0.3477, 1.5869,
0.0000

■ 131.6465,
172.6136, 79.0151

■ 0.0000, 0.3487,
0.0000

■ 164.6127,

■ 0.0000, 0.0000,

212.5667, 104.0063

0.0000

202.6686,
258.2530, 133.7789

■ 20.2701, 31.7671,
6.0406

■ 20.2701, 31.7671,
6.0406

■ 19.2705, 31.2686,
5.2784

■ 21.4673, 32.3564,
7.4003

■ 18.7969, 31.0302,
4.9987

■ 22.8795, 33.0406,
9.4478

■ 24.5240, 33.8278,
12.2597

■ 26.4152, 34.7241,
15.9021

■ 28.5664, 35.7350,
20.4337

■ 30.9894, 36.8655,
25.9080

■ 33.6955, 38.1202,
32.3743

■ 36.6952, 39.5036,
39.8784

■ 39.9983, 41.0199,
48.4632

Harmonies

Analogous

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



28.4605, 31.7671, 3.4234



20.2701, 31.7671, 6.0406



15.6964, 31.7671, 16.0091

Triad

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



20.2701, 31.7671, 6.0406



22.7090, 31.7671, 114.3773



54.1522, 31.7671, 29.7700

Complementary

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



20.2701, 31.7671, 6.0406



12.0404, 5.9175, 38.5396

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.



51.6454, 31.7671, 63.8130



20.2701, 31.7671, 6.0406



31.9958, 31.7671, 125.6973

Square

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



20.2701, 31.7671, 6.0406



16.8671, 31.7671, 77.9306



42.9201, 31.7671, 103.5060



49.1585, 31.7671, 11.3153

Rectangle

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



20.2701, 31.7671, 6.0406



14.6005, 31.7671, 30.0995



42.9201, 31.7671, 103.5060



54.1685, 31.7671, 39.5040

Sweetspot

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



20.2708, 31.7685, 6.0413



55.8763, 66.7235, 46.1970



20.4894, 16.0701, 2.9997



12.1163, 14.7192, 9.5121



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.2708, 31.7685, 6.0413



33.8493, 56.1674, 9.0573



15.1958, 29.1522, 5.8038



7.8103, 8.6003, 8.0377



13.8915, 22.8586, 3.6800



0.3959, 0.5860, 0.0922

Inverse Universe

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



12.0404, 5.9175, 38.5396



18.6092, 8.0726, 69.5792



22.6897, 11.4074, 39.0380



7.4463, 7.4627, 9.4663



7.7069, 3.3565, 28.2172



0.2469, 0.1123, 0.6893

Previews

White Background



This preview shows how the XYZ color 20.2701, 31.7671, 6.0406 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 20.2701, 31.7671, 6.0406 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 20.2701, 31.7671, 6.0406

Background



This preview shows how black text looks on a background with the XYZ color 20.2701, 31.7671, 6.0406.



This preview shows how white text looks on a background with the XYZ color 20.2701, 31.7671,

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

20.2701, 31.7671, 6.0406

Protanopia

28.1582, 31.1685, 5.2415

Deuteranopia

31.8594, 31.1830, 6.4376



Tritanopia

27.7459, 31.6049, 43.1661

Trichromacy



Original Color

20.2701, 31.7671, 6.0406

Protanomaly

24.5854, 31.0612, 5.5102

Deuteranomaly

26.0077, 30.2808, 6.1431

Tritanomaly

23.3928, 30.8617, 21.8635

Monochromacy



Original Color

20.2701, 31.7671, 6.0406

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

20.6677, 25.9046, 14.7373

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2701, 31.7671, 6.0406 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(104, 170, 26)` looks like.

```
.text, #text, p{  
    color:rgb(104, 170, 26)  
}
```

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(104, 170, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 170, 26) }
```

Border

The CSS property to change the border of an element to XYZ 20.2701, 31.7671, 6.0406 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(104, 170, 26) }
```


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

```
.border{ border-color:rgb(104, 170, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 170, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 170, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 170, 26);  
box-shadow:4px 4px 4px 4px rgb(104, 170,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2701, 31.7671, 6.0406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 170, 26) }
```

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

```
.background{ background-color: rgb(104,  
170, 26) }
```

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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