

Converting Colors

XYZ(30.1500, 35.3790, 20.6275)

Have a look what the booklet for
XYZ(30.1500, 35.3790, 20.6275)
contains.

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Color

**XYZ(30.2711, 35.5102,
20.5879)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA670
RGB	156, 166, 112
RGB Percent	61%, 65%, 44%
CMY	0.3882, 0.3490, 0.5608
CMYK	0.06, 0.00, 0.33, 0.35
HSL	71°, 23%, 55%
HSV	71°, 33%, 65%
XYZ	30.2711, 35.5102, 20.5879
YIQ	156.8540, 11.3740, -18.9140

Conversions

Conversions Part 2

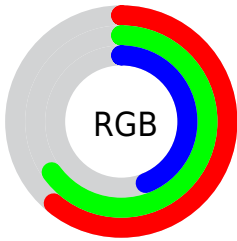
Format	Color
RYB	112, 166, 122
Decimal	10266224
CIELab	66.14, -12.61, 26.83
CIELCh	66, 29.652, 115.176
Yxy	35.5102, 0.3505, 0.4111
Android (android.graphics.Color)	4288456304 (0xFF9CA670)
YUV	156.8540, -22.1130, -0.7490
Hunter-Lab	59.5904, -13.6078, 21.2292

Details

The XYZ color **30.2711, 35.5102, 20.5879** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **20.7045, 18.4800, 38.5542**, and the grayscale version is **32.0756, 33.7460, 36.7494**.

A 20% lighter version of the original color is **59.4213, 68.2421, 45.1622**, and **12.6234, 15.3366, 6.9976** is the 20% darker color. If you saturate the color by 10%, you get **28.8435, 34.8725, 16.1332**, and if you desaturate by 10%, it is **31.8860, 36.2270, 25.9424**.

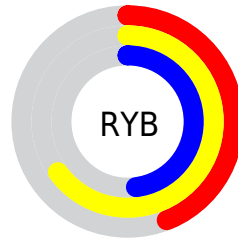
Distribution



Red (61%)

Green (65%)

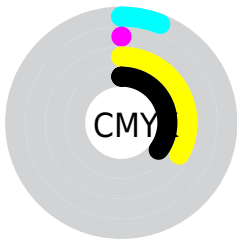
Blue (44%)



Red (44%)

Yellow (65%)

Blue (48%)

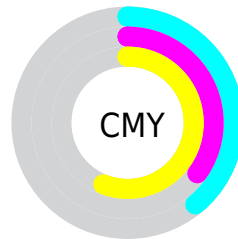


Cyan (6%)

Magenta (0%)

Yellow (33%)

Black (35%)



Cyan (39%)

Magenta (35%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2711, 35.5102, 20.5879 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 30.2711, 35.5102, 20.5879 by changing the saturation by 10% instead.

■ 30.2711, 35.5102,
20.5879

■ 30.2711, 35.5102,
20.5879

295.0533,
326.8146, 267.7890

■ 20.1935, 24.0562,
12.6348

■ 59.4743, 68.2754,
45.2725

■ 12.6449, 15.3753,
7.0498

■ 79.3307, 90.3553,
62.8411

■ 7.2598, 9.0832,
3.4143

■ 103.1774,
116.7460, 84.4520

■ 3.6729, 4.7955,
1.3099

■ 131.3798,
147.8319, 110.5236

■ 1.5188, 2.1278,
0.0699

164.3032,
183.9973, 141.4746

■ 0.3386, 0.6802,
0.0000

202.3131,

■ 0.0000, 0.0000,

225.6266, 177.7235

0.0000

245.7746,
273.1042, 219.6887

■ 30.2711, 35.5102,
20.5879

■ 30.2711, 35.5102,
20.5879

■ 28.8435, 34.8725,
16.1332

■ 31.8860, 36.2270,
25.9424

■ 27.5910, 34.3053,
12.5266

■ 33.6944, 37.0217,
32.2400

■ 26.5041, 33.8062,
9.7146


■ 35.7052, 37.8992,
39.5240


■ 25.5713, 33.3703,
7.6370


■ 37.9261, 38.8625,
47.8344


■ 24.7793, 32.9924,
6.2245


■ 40.3645, 39.9146,
57.2088


 24.1124, 32.6663,
5.3951

 43.0272, 41.0582,
67.6831

 23.6691, 32.4457,
5.0152

 45.9208, 42.2959,
79.2914

 49.0516, 43.6304,
92.0664

 51.3771, 44.6446,
100.5171

Harmonies

Analogous

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



34.4695, 35.5102, 19.1630



30.2711, 35.5102, 20.5879



27.2580, 35.5102, 26.3885

Triad

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



30.2711, 35.5102, 20.5879



29.1370, 35.5102, 62.2231



42.9257, 35.5102, 40.7428

Complementary

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



30.2711, 35.5102, 20.5879



20.7045, 18.4800, 38.5542

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.



41.2019, 35.5102, 54.2567



30.2711, 35.5102, 20.5879



33.0433, 35.5102, 68.2630

Square

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



30.2711, 35.5102, 20.5879



26.6442, 35.5102, 49.9429



37.4887, 35.5102, 65.0698



42.0218, 35.5102, 29.2264

Rectangle

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



30.2711, 35.5102, 20.5879



26.1997, 35.5102, 32.7783



37.4887, 35.5102, 65.0698



42.6303, 35.5102, 45.2165

Sweetspot

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



30.2720, 35.5118, 20.5887



61.9709, 67.5469, 61.4459



25.5990, 23.1724, 18.4532



13.7613, 15.0691, 13.3688



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.



30.2720, 35.5118, 20.5887



53.0398, 63.5988, 31.3882



25.6305, 33.1190, 20.3714



8.0086, 8.7025, 8.0469



18.3896, 25.1774, 3.8905



0.4817, 0.6302, 0.0963

Inverse Universe

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



20.7045, 18.4800, 38.5542



32.9633, 27.8428, 69.1121



25.0545, 20.7225, 38.7578



7.2567, 7.3649, 9.4574



5.8000, 2.3734, 28.1279



0.1772, 0.0763, 0.6860

Previews

White Background



This preview shows how the XYZ color 30.2711, 35.5102, 20.5879 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 30.2711, 35.5102, 20.5879 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

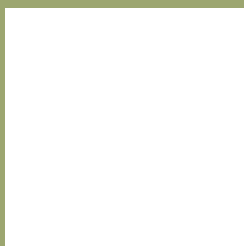
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2711, 35.5102, 20.5879

Background



This preview shows how black text looks on a background with the XYZ color 30.2711, 35.5102, 20.5879.



This preview shows how white text looks on a background with the XYZ color 30.2711, 35.5102,

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

30.2711, 35.5102, 20.5879

Protanopia

33.0149, 35.6142, 19.8860

Deuteranopia

36.1360, 35.4254, 21.1529



Tritanopia

35.0587, 35.6291, 43.5574

Trichromacy



Original Color

30.2711, 35.5102, 20.5879

Protanomaly

31.9028, 35.5576, 20.2208

Deuteranomaly

33.6242, 35.1336, 20.9289

Tritanomaly

33.1233, 35.6197, 33.9837

Monochromacy



Original Color

30.2711, 35.5102, 20.5879

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.2832, 34.2328, 30.1581

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2711, 35.5102, 20.5879 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(156, 166, 112)` looks like.

```
.text, #text, p{  
    color:rgb(156, 166, 112)  
}
```

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(156, 166, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 166, 112) }
```

Border

The CSS property to change the border of an element to XYZ 30.2711, 35.5102, 20.5879 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(156, 166, 112) }
```


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

```
.border{ border-color:rgb(156, 166, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 166, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 166, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 166, 112);  
box-shadow:4px 4px 4px 4px rgb(156, 166,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2711, 35.5102, 20.5879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 166, 112) }
```

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

```
.background{ background-color: rgb(156,  
166, 112) }
```

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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