

Converting Colors

XYZ(30.5301, 20.7096, 96.9956)

Have a look what the booklet for
XYZ(30.5301, 20.7096, 96.9956)
contains.

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Color

**XYZ(30.5471, 20.7158,
96.9963)**

Conversions

Conversions Part 1

Format	Color
Hex	7866FF
RGB	120, 102, 255
RGB Percent	47%, 40%, 100%
CMY	0.5294, 0.6000, 0.0000
CMYK	0.53, 0.60, 0.00, 0.00
HSL	247°, 100%, 70%
HSV	247°, 60%, 100%
XYZ	30.5471, 20.7158, 96.9963
YIQ	124.8240, -38.3850, 51.3990

Conversions

Conversions Part 2

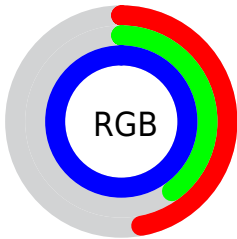
Format	Color
RYB	120, 102, 255
Decimal	7890687
CIELab	52.64, 46.64, -74.10
CIELCh	53, 87.556, 302.187
Yxy	20.7158, 0.2060, 0.1397
Android (android.graphics.Color)	4286080767 (0xFF7866FF)
YUV	124.8240, 64.1768, -4.2306
Hunter-Lab	45.5146, 40.1496, -94.4928

Details

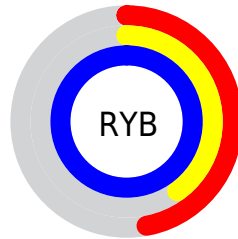
The XYZ color **30.5471, 20.7158, 96.9963** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **73.0813, 90.4828, 26.1836**, and the grayscale version is **19.2354, 20.2371, 22.0382**.

A 20% lighter version of the original color is **48.6617, 40.1550, 99.7937**, and **12.8134, 7.3996, 53.5763** is the 20% darker color. If you saturate the color by 10%, you get **25.6531, 15.0275, 96.1563**, and if you desaturate by 10%, it is **36.9464, 28.3239, 98.1275**.

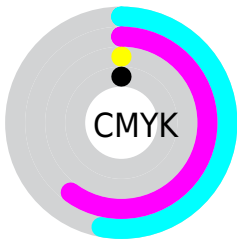
Distribution



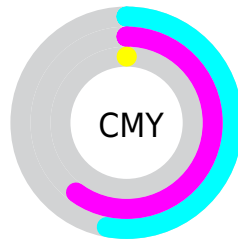
- Red (47%)
- Green (40%)
- Blue (100%)



- Red (47%)
- Yellow (40%)
- Blue (100%)



- Cyan (53%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (53%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5471, 20.7158, 96.9963 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 30.5471, 20.7158, 96.9963 by changing the saturation by 10% instead.

■ 30.5471, 20.7158,
96.9963

■ 30.5471, 20.7158,
96.9963

296.3106,
255.7643, 571.6831

■ 20.4044, 12.9164,
73.1916

■ 59.9070, 44.6141,
159.0389

■ 12.7993, 7.3710,
53.6398

■ 79.8549, 61.4817,
198.1139

■ 7.3665, 3.6952,
37.9226

■ 103.8019, 82.1410,
243.1160

■ 3.7407, 1.5046,
25.6212

■ 132.1133,
106.9761, 294.4639

■ 1.5565, 0.2919,
16.3173

165.1546,
136.3717, 352.5760

■ 0.3638, 0.0000,
9.5922

203.2909,

■ 0.0000, 0.0000,

170.7119, 417.8709

5.0274

246.8879,
210.3813, 490.7671

■ 0.0000, 0.0000,
2.2043

■ 0.0000, 0.0000,
0.6768

■ 30.5471, 20.7158,
96.9963

■ 30.5471, 20.7158,
96.9963

■ 25.6531, 15.0275,
96.1563

■ 36.9464, 28.3239,
98.1275

■ 22.1362, 11.0839,
95.5804

■ 44.9593, 38.0024,
99.5733

■ 19.8510, 8.6805,
95.2370

■ 54.6871, 49.8887,
101.3549

■ 18.5857, 7.4962,
95.0751

■ 66.2220, 64.1079,
103.4915

■ 18.5857, 7.4962,
95.0751

■ 79.6497, 80.7758,
106.0010

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



20.3645, 20.7158, 118.6892



30.5471, 20.7158, 96.9963



39.5522, 20.7158, 54.9080

Triad

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



30.5471, 20.7158, 96.9963



29.0245, 20.7158, 0.9307



6.8778, 20.7158, 24.5211

Complementary

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



30.5471, 20.7158, 96.9963



73.0813, 90.4828, 26.1836

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.



7.9220, 20.7158, 6.3323



30.5471, 20.7158, 96.9963



19.0301, 20.7158, 0.2280

Square

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



30.5471, 20.7158, 96.9963



38.4995, 20.7158, 5.0167



11.7685, 20.7158, 1.1784



8.2911, 20.7158, 61.1171

Rectangle

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



30.5471, 20.7158, 96.9963



42.5833, 20.7158, 30.0693



11.7685, 20.7158, 1.1784



6.9523, 20.7158, 16.4117

Sweetspot

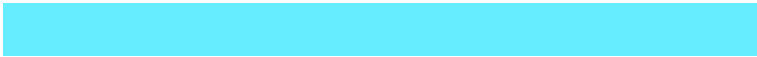
The Sweet Spot groups the original color and five complimentary colors.



30.5480, 20.7164, 96.9963



68.7533, 67.2418, 103.9630



53.8572, 70.7001, 105.4157



13.9330, 13.4234, 22.1066



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



30.5480, 20.7164, 96.9963



24.8437, 14.1051, 96.0209



45.6576, 28.5056, 97.7035



17.2015, 17.4801, 22.7173



9.7737, 3.9490, 49.6817



1.0122, 0.4157, 4.8402

Inverse Universe

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



61.2766, 36.8769, 84.0045



58.2829, 31.7232, 80.4366



52.7859, 80.0201, 25.2338



18.6952, 18.2614, 22.2780



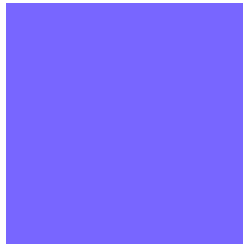
28.6861, 13.9637, 38.5928



2.8180, 1.3696, 3.8890

Previews

White Background



This preview shows how the XYZ color 30.5471, 20.7158, 96.9963 looks on a white background.

Color Contrast Check

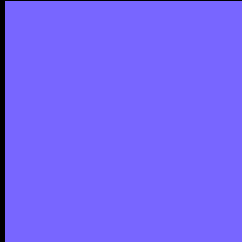
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.5471, 20.7158, 96.9963 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

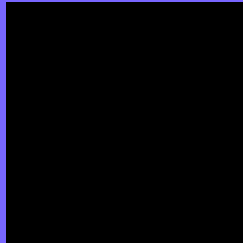
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.5471, 20.7158, 96.9963

Background



This preview shows how black text looks on a background with the XYZ color 30.5471, 20.7158, 96.9963.



This preview shows how white text looks on a background with the XYZ color 30.5471, 20.7158,

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

30.5471, 20.7158, 96.9963

Protanopia

25.0844, 20.9963, 97.3383

Deuteranopia

20.9040, 20.7123, 72.0034



Tritanopia

16.9888, 20.6277, 29.4717

Trichromacy



Original Color

30.5471, 20.7158, 96.9963



Protanomaly

25.5355, 20.0115, 97.1245



Deuteranomaly

22.4868, 19.6696, 80.4533



Tritanomaly

20.4351, 19.8666, 48.1050

Monochromacy



Original Color

30.5471, 20.7158, 96.9963



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

21.9761, 19.9121, 41.7149

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5471, 20.7158, 96.9963 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(120, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 102, 255)  
}
```

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(120, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.5471, 20.7158, 96.9963 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(120, 102, 255) }
```


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

```
.border{ border-color:rgb(120, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5471, 20.7158, 96.9963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 102, 255) }
```

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

```
.background{ background-color: rgb(120,  
102, 255) }
```

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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