

Converting Colors

XYZ(35.1292, 19.9130, 96.5998)

Have a look what the booklet for
XYZ(35.1292, 19.9130, 96.5998)
contains.

XYZ(35.2011, 20.0013, 96.6131)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.2011, 20.0013,
96.6131)**

Conversions

Conversions Part 1

Format	Color
Hex	A04DFF
RGB	160, 77, 255
RGB Percent	63%, 30%, 100%
CMY	0.3725, 0.6980, 0.0000
CMYK	0.37, 0.70, 0.00, 0.00
HSL	268°, 100%, 65%
HSV	268°, 70%, 100%
XYZ	35.2011, 20.0013, 96.6131
YIQ	122.1090, -7.6700, 72.9540

Conversions

Conversions Part 2

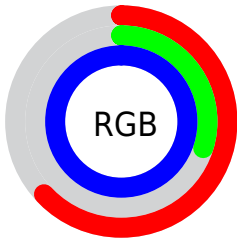
Format	Color
RYB	160, 77, 255
Decimal	10505727
CIELab	51.84, 66.66, -75.22
CIELCh	52, 100.508, 311.546
Yxy	20.0013, 0.2319, 0.1317
Android (android.graphics.Color)	4288695807 (0xFFA04DFF)
YUV	122.1090, 65.5153, 33.2304
Hunter-Lab	44.7228, 62.2315, -96.7761

Details

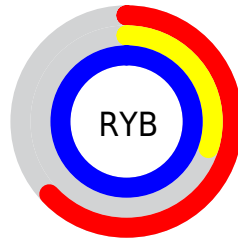
The XYZ color **35.2011, 20.0013, 96.6131** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **54.1121, 80.8261, 19.7703**, and the grayscale version is **18.3298, 19.2843, 21.0006**.

A 20% lighter version of the original color is **55.8165, 38.9382, 99.1817**, and **15.4775, 7.0284, 53.3642** is the 20% darker color. If you saturate the color by 10%, you get **31.1803, 15.7790, 96.0100**, and if you desaturate by 10%, it is **40.2203, 25.7758, 97.4631**.

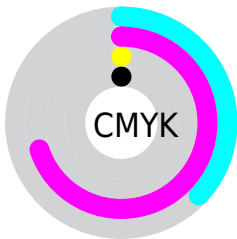
Distribution



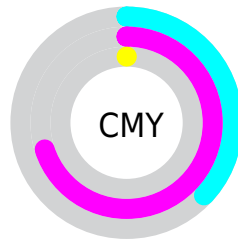
- Red (63%)
- Green (30%)
- Blue (100%)



- Red (63%)
- Yellow (30%)
- Blue (100%)



- Cyan (37%)
- Magenta (70%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (70%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2011, 20.0013, 96.6131 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 35.2011, 20.0013, 96.6131 by changing the saturation by 10% instead.

 35.2011, 20.0013,
96.6131


 35.2011, 20.0013,
96.6131

316.9476,
251.9222, 570.4321


 23.9851, 12.3960,
72.8740

 67.1292, 43.4194,
158.5060


 15.4472, 7.0140,
53.3817


 88.5719, 60.0009,
197.4969


 9.2222, 3.4708,
37.7178


 114.1542, 80.3433,
242.4087

 4.9447, 1.3822,
25.4636

 144.2415,
104.8310, 293.6601

 2.2493, 0.2036,
16.2006

 179.1992,
133.8483, 351.6697

 0.7685, 0.0000,
9.5103

219.3925,

 0.0000, 0.0000,

167.7797, 416.8558

4.9742

265.1868,
207.0095, 489.6371

■ 0.0000, 0.0000,
2.1737

■ 0.0000, 0.0000,
0.6591

■ 35.2011, 20.0013,
96.6131

■ 35.2011, 20.0013,
96.6131

■ 31.1803, 15.7790,
96.0100

■ 40.2203, 25.7758,
97.4631

■ 28.0586, 12.9280,
95.6242

■ 46.3173, 33.2514,
98.5847

■ 25.6876, 11.1654,
95.4090

■ 53.5655, 42.5609,
99.9996

■ 25.6454, 11.1356,
95.4055

■ 62.0305, 53.8231,
101.7273

■ 71.7727, 67.1463,
103.7854

■ 82.8479, 82.6310,
106.1906

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.



23.2105, 20.0013, 136.0930



35.2011, 20.0013, 96.6131



44.3279, 20.0013, 44.8220

Triad

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



35.2011, 20.0013, 96.6131



25.9156, 20.0013, 0.0000



5.5461, 20.0013, 35.0588

Complementary

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



35.2011, 20.0013, 96.6131



54.1121, 80.8261, 19.7703

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.



5.8194, 20.0013, 8.4022



35.2011, 20.0013, 96.6131



15.3507, 20.0013, 0.0000

Square

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



35.2011, 20.0013, 96.6131



37.7802, 20.0013, 1.7325



8.7479, 20.0013, 0.9898



7.7897, 20.0013, 84.2651

Rectangle

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



35.2011, 20.0013, 96.6131



46.1114, 20.0013, 20.2982



8.7479, 20.0013, 0.9898



5.3765, 20.0013, 23.3281

Sweetspot

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



35.2020, 20.0019, 96.6131



70.5380, 65.4403, 103.5212



36.4212, 39.4190, 100.2968



14.5036, 13.1893, 22.0313



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.



35.2020, 20.0019, 96.6131



29.7670, 14.4272, 95.8236



58.7451, 32.1388, 97.7149



17.8083, 17.7929, 22.7457



13.5689, 5.9055, 49.8593



1.4458, 0.6393, 4.8605

Inverse Universe

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



51.3400, 29.5463, 42.0251



47.9521, 25.2025, 33.3984



40.9282, 74.0296, 19.1533



18.4146, 18.1492, 20.8005



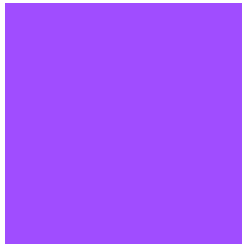
23.9504, 12.0695, 13.6552



2.3872, 1.1972, 1.6203

Previews

White Background



This preview shows how the XYZ color 35.2011, 20.0013, 96.6131 looks on a white background.

Color Contrast Check

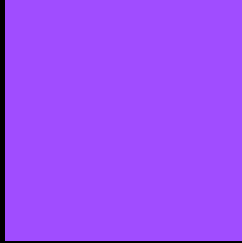
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.2011, 20.0013, 96.6131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

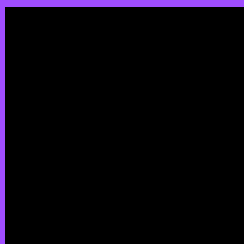
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.2011, 20.0013, 96.6131

Background



This preview shows how black text looks on a background with the XYZ color 35.2011, 20.0013, 96.6131.



This preview shows how white text looks on a background with the XYZ color 35.2011, 20.0013,

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

35.2011, 20.0013, 96.6131

Protanopia

24.1675, 20.2219, 94.7249

Deuteranopia

20.2470, 20.0362, 69.8181



Tritanopia

20.3246, 19.8205, 23.1766

Trichromacy



Original Color

35.2011, 20.0013, 96.6131



Protanomaly

24.4249, 17.8920, 95.0947



Deuteranomaly

21.6730, 17.4509, 78.5700



Tritanomaly

23.9180, 18.7963, 42.4118

Monochromacy



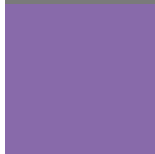
Original Color

35.2011, 20.0013, 96.6131



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

22.5631, 18.4446, 40.4012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2011, 20.0013, 96.6131 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(160, 77, 255)` looks like.

```
.text, #text, p{  
    color:rgb(160, 77, 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(160, 77, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 77, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.2011, 20.0013, 96.6131 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(160, 77, 255) }
```


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

```
.border{ border-color:rgb(160, 77, 255) }
```

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

Here you see how a box with a 4 pixel rgb(160, 77, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 77, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 77, 255);  
box-shadow:4px 4px 4px 4px rgb(160, 77,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2011, 20.0013, 96.6131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 77, 255) }
```

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

```
.background{ background-color: rgb(160, 77,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor