

Converting Colors

XYZ(37.8655, 31.0948, 98.6139)

Have a look what the booklet for
XYZ(37.8655, 31.0948, 98.6139)
contains.

XYZ(37.9301, 31.1742, 98.6258)	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(37.9301, 31.1742,
98.6258)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8BFF
RGB	139, 139, 255
RGB Percent	55%, 55%, 100%
CMY	0.4549, 0.4549, 0.0000
CMYK	0.45, 0.45, 0.00, 0.00
HSL	240°, 100%, 77%
HSV	240°, 45%, 100%
XYZ	37.9301, 31.1742, 98.6258
YIQ	152.2240, -37.2360, 36.0760

Conversions

Conversions Part 2

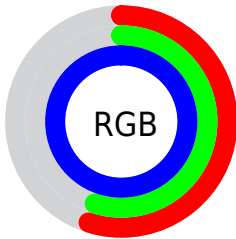
Format	Color
R _Y B	139, 139, 255
Decimal	9145343
CIE Lab	62.65, 29.09, -57.90
CIE LCh	63, 64.797, 296.675
Yxy	31.1742, 0.2261, 0.1859
Android (android.graphics.Color)	4287335423 (0xFF8B8BFF)
YUV	152.2240, 50.6686, -11.5974
Hunter-Lab	55.8339, 23.5527, -65.6471

Details

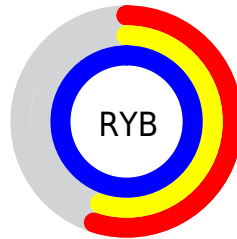
The XYZ color **37.9301, 31.1742, 98.6258** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.6591, 94.6435, 38.3910**, and the grayscale version is **29.7424, 31.2913, 34.0762**.

A 20% lighter version of the original color is **59.9256, 56.7896, 102.4108**, and **17.0737, 12.9274, 55.0214** is the 20% darker color. If you saturate the color by 10%, you get **30.8866, 22.6869, 97.3589**, and if you desaturate by 10%, it is **46.8297, 41.8972, 100.2265**.

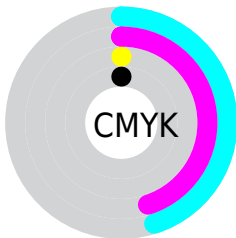
Distribution



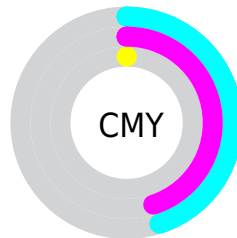
- Red (55%)
- Green (55%)
- Blue (100%)



- Red (55%)
- Yellow (55%)
- Blue (100%)



- Cyan (45%)
- Magenta (45%)
- Yellow (0%)
- Black (0%)



- Cyan (45%)
- Magenta (45%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.9301, 31.1742, 98.6258 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 37.9301, 31.1742, 98.6258 by changing the saturation by 10% instead.

■ 37.9301, 31.1742,
98.6258

■ 37.9301, 31.1742,
98.6258

328.6061,
307.3401, 576.9868

■ 26.1054, 20.7315,
74.5429

■ 71.3056, 61.5142,
161.3028

■ 17.0356, 12.9279,
54.7390

■ 93.5871, 82.1804,
200.7340

■ 10.3553, 7.3789,
38.7956

■ 120.0849,
107.0231, 246.1184

■ 5.6993, 3.7002,
26.2942

151.1644,
136.4269, 297.8745

■ 2.7020, 1.5073,
16.8161

187.1909,
170.7761, 356.4208

■ 0.9982, 0.2939,
9.9429

228.5297,

■ 0.0000, 0.0000,

210.4551, 422.1760

5.2560

275.5464,
255.8483, 495.5584

■ 0.0000, 0.0000,
2.3369

■ 0.0000, 0.0000,
0.7518

■ 37.9301, 31.1742,
98.6258

■ 37.9301, 31.1742,
98.6258

■ 30.8866, 22.6869,
97.3589

■ 46.8297, 41.8972,
100.2265

■ 25.5650, 16.2748,
96.4017

■ 57.7000, 54.9954,
102.1818

■ 21.8186, 11.7607,
95.7278

■ 70.6508, 70.6003,
104.5113

■ 19.4749, 8.9367,
95.3063

■ 85.7823, 88.8329,
107.2330

■ 18.3204, 7.5457,
95.0986

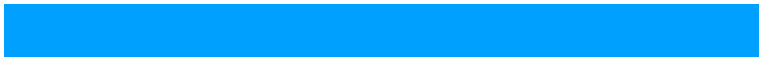
95.0500, 100.0000,
108.9000

■ 18.0501, 7.2200,
95.0500

Harmonies

Analogous

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



28.6555, 31.1742, 109.3716



37.9301, 31.1742, 98.6258



46.2134, 31.1742, 68.3057

Triad

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



37.9301, 31.1742, 98.6258



39.9783, 31.1742, 7.3595



15.6999, 31.1742, 31.1986

Complementary

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



37.9301, 31.1742, 98.6258



81.6591, 94.6435, 38.3910

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.



17.5809, 31.1742, 13.6153



37.9301, 31.1742, 98.6258



30.6266, 31.1742, 4.8556

Square

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



37.9301, 31.1742, 98.6258



47.5515, 31.1742, 16.4510



22.6390, 31.1742, 6.3872



16.8942, 31.1742, 60.8064

Rectangle

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



37.9301, 31.1742, 98.6258



49.4271, 31.1742, 46.4379



22.6390, 31.1742, 6.3872



15.9823, 31.1742, 23.9188

Sweetspot

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



37.9313, 31.1752, 98.6260



72.7639, 73.1465, 104.8914



64.4578, 84.2291, 107.4683



14.9226, 14.8709, 22.3338



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.



37.9313, 31.1752, 98.6260



31.1902, 23.0527, 97.4135



50.3091, 37.5562, 99.2052



17.0032, 17.3778, 22.7080



9.4316, 3.7726, 49.6657



0.9183, 0.3673, 4.8358

Inverse Universe

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



68.5223, 46.9456, 100.0547



65.3916, 40.6843, 99.0105



63.4465, 85.2546, 37.5386



18.7927, 18.3004, 22.7917



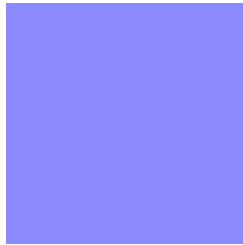
30.9797, 14.8812, 50.6708



3.0164, 1.4489, 4.9337

Previews

White Background



This preview shows how the XYZ color 37.9301, 31.1742, 98.6258 looks on a white background.

Color Contrast Check

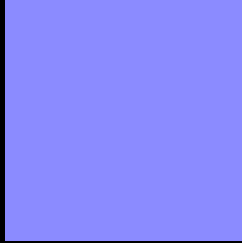
Large Text (above 18pt) WCAG AA × Fail

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 37.9301, 31.1742, 98.6258 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 37.9301, 31.1742, 98.6258

Background



This preview shows how black text looks on a background with the XYZ color 37.9301, 31.1742, 98.6258.



This preview shows how white text looks on a background with the XYZ color 37.9301, 31.1742,

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

37.9301, 31.1742, 98.6258

Protanopia

34.4656, 31.4031, 98.8526

Deuteranopia

32.4551, 31.3696, 96.4398



Tritanopia

26.7800, 31.1070, 43.1209

Trichromacy



Original Color

37.9301, 31.1742, 98.6258

Protanomaly

35.5115, 31.2527, 98.7685

Deuteranomaly

33.8723, 30.9023, 97.1080

Tritanomaly

30.0395, 30.6826, 60.2162

Monochromacy



Original Color

37.9301, 31.1742, 98.6258

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

31.6516, 30.7446, 52.4102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9301, 31.1742, 98.6258 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(139, 139, 255)` looks like.

```
.text, #text, p{  
    color:rgb(139, 139, 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(139, 139, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 139, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.9301, 31.1742, 98.6258 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(139, 139, 255) }
```


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

```
.border{ border-color:rgb(139, 139, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 139, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 139, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 139, 255);  
box-shadow:4px 4px 4px 4px rgb(139, 139,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9301, 31.1742, 98.6258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 139, 255) }
```

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

```
.background{ background-color: rgb(139,  
139, 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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