

Converting Colors

XYZ(36.7263, 29.2180, 98.3117)

Have a look what the booklet for
XYZ(36.7263, 29.2180, 98.3117)
contains.

XYZ(36.7541, 29.3134, 98.3286)	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(36.7541, 29.3134,
98.3286)**

Conversions

Conversions Part 1

Format	Color
Hex	8985FF
RGB	137, 133, 255
RGB Percent	54%, 52%, 100%
CMY	0.4627, 0.4784, 0.0000
CMYK	0.46, 0.48, 0.00, 0.00
HSL	242°, 100%, 76%
HSV	242°, 48%, 100%
XYZ	36.7541, 29.3134, 98.3286
YIQ	148.1040, -36.7780, 38.7900

Conversions

Conversions Part 2

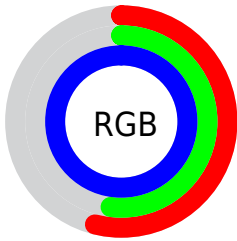
Format	Color
RYB	137, 133, 255
Decimal	9012735
CIELab	61.06, 32.13, -60.46
CIElCh	61, 68.466, 297.987
Yxy	29.3134, 0.2236, 0.1783
Android (android.graphics.Color)	4287202815 (0xFF8985FF)
YUV	148.1040, 52.6997, -9.7382
Hunter-Lab	54.1419, 26.4262, -69.7790

Details

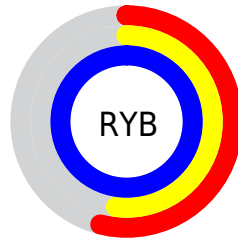
The XYZ color **36.7541, 29.3134, 98.3286** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.7759, 93.7219, 36.0764**, and the grayscale version is **27.9909, 29.4486, 32.0695**.

A 20% lighter version of the original color is **58.3739, 54.0736, 101.9684**, and **16.2319, 11.7955, 54.2446** is the 20% darker color. If you saturate the color by 10%, you get **30.0859, 21.3076, 97.1348**, and if you desaturate by 10%, it is **45.1957, 39.4919, 99.8484**.

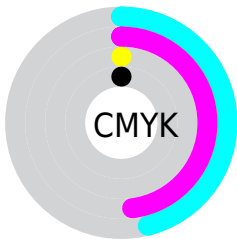
Distribution



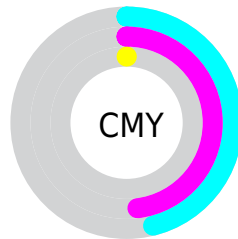
- Red (54%)
- Green (52%)
- Blue (100%)



- Red (54%)
- Yellow (52%)
- Blue (100%)



- Cyan (46%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)



- Cyan (46%)
- Magenta (48%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7541, 29.3134, 98.3286 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 36.7541, 29.3134, 98.3286 by changing the saturation by 10% instead.

■ 36.7541, 29.3134,
98.3286

■ 36.7541, 29.3134,
98.3286

323.6187,
298.6908, 576.0214

■ 25.1900, 19.3180,
74.2963

■ 69.5107, 58.5746,
160.8902

■ 16.3481, 11.9003,
54.5384

■ 91.4339, 78.6093,
200.2566

■ 9.8632, 6.6758,
38.6361

■ 117.5408,
102.7592, 245.5714

■ 5.3699, 3.2602,
26.1711

148.1968,
131.4087, 297.2533

■ 2.5029, 1.2690,
16.7248

183.7672,
164.9422, 355.7207

■ 0.8967, 0.1170,
9.8786

224.6175,

■ 0.0000, 0.0000,

203.7442, 421.3921

5.2140

271.1129,
248.1989, 494.6862

■ 0.0000, 0.0000,
2.3124

■ 0.0000, 0.0000,
0.7382

■ 36.7541, 29.3134,
98.3286

■ 36.7541, 29.3134,
98.3286

■ 30.0859, 21.3076,
97.1348

■ 45.1957, 39.4919,
99.8484

■ 25.0617, 15.3139,
96.2427

■ 55.5213, 51.9824,
101.7151

■ 21.5396, 11.1545,
95.6255

■ 67.8362, 66.9156,
103.9484

■ 19.3525, 8.6189,
95.2514

■ 82.2374, 84.4119,
106.5665

■ 18.2861, 7.4303,
95.0782

95.0500, 100.0000,
108.9000

■ 18.1548, 7.2740,
95.0549

Harmonies

Analogous

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



27.2605, 29.3134, 110.9891



36.7541, 29.3134, 98.3286



45.1733, 29.3134, 65.8727

Triad

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



36.7541, 29.3134, 98.3286



38.0297, 29.3134, 5.6968



13.9461, 29.3134, 30.2148

Complementary

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



36.7541, 29.3134, 98.3286



79.7759, 93.7219, 36.0764

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.



15.6568, 29.3134, 12.2543



36.7541, 29.3134, 98.3286



28.4712, 29.3134, 3.6408

Square

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



36.7541, 29.3134, 98.3286



46.0139, 29.3134, 13.9100



20.5331, 29.3134, 5.1647



15.2482, 29.3134, 61.1240

Rectangle

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



36.7541, 29.3134, 98.3286



48.3399, 29.3134, 43.3290



20.5331, 29.3134, 5.1647



14.1786, 29.3134, 22.7090

Sweetspot

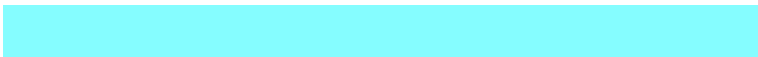
The Sweet Spot groups the original color and five complimentary colors.



36.7552, 29.3143, 98.3288



73.1181, 73.3291, 104.9079



62.8379, 82.4362, 107.2076



15.0073, 14.9146, 22.3378



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.



36.7552, 29.3143, 98.3288



30.5825, 21.9022, 97.2234



49.2116, 35.7358, 98.9117



17.0581, 17.4062, 22.7106



9.5101, 3.8131, 49.6694



0.9445, 0.3808, 4.8370

Inverse Universe

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



67.0397, 45.0003, 96.4158



64.0696, 39.2530, 94.8309



61.7237, 84.4157, 35.2316



18.7654, 18.2895, 22.6477



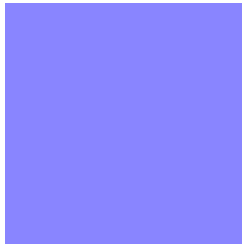
30.3029, 14.6104, 47.1068



2.9583, 1.4257, 4.6276

Previews

White Background



This preview shows how the XYZ color 36.7541, 29.3134, 98.3286 looks on a white background.

Color Contrast Check

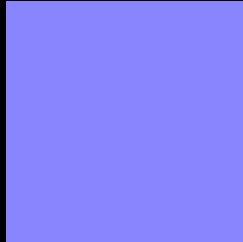
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7541, 29.3134, 98.3286 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 36.7541, 29.3134, 98.3286

Background



This preview shows how black text looks on a background with the XYZ color 36.7541, 29.3134, 98.3286.



This preview shows how white text looks on a background with the XYZ color 36.7541, 29.3134,

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

36.7541, 29.3134, 98.3286

Protanopia

32.8022, 29.4063, 98.5549

Deuteranopia

30.4567, 29.4101, 95.3383



Tritanopia

25.1206, 29.3091, 40.4096

Trichromacy



Original Color

36.7541, 29.3134, 98.3286

Protanomaly

33.9647, 29.1300, 98.4403

Deuteranomaly

32.0092, 29.0529, 96.0162

Tritanomaly

28.3571, 28.6999, 57.4711

Monochromacy



Original Color

36.7541, 29.3134, 98.3286

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

30.2937, 29.1621, 51.0459

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7541, 29.3134, 98.3286 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(137, 133, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 133, 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(137, 133, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 133, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.7541, 29.3134, 98.3286 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(137, 133, 255) }
```


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

```
.border{ border-color:rgb(137, 133, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 133, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 133, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 133, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 133,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7541, 29.3134, 98.3286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 133, 255) }
```

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

```
.background{ background-color: rgb(137,  
133, 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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