

Converting Colors

XYZ(36.9824, 31.7943, 90.6348)

Have a look what the booklet for
XYZ(36.9824, 31.7943, 90.6348)
contains.

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Color

**XYZ(36.9514, 31.7265,
90.5625)**

Conversions

Conversions Part 1

Format	Color
Hex	8B8FF5
RGB	139, 143, 245
RGB Percent	55%, 56%, 96%
CMY	0.4549, 0.4392, 0.0392
CMYK	0.43, 0.42, 0.00, 0.04
HSL	238°, 84%, 75%
HSV	238°, 43%, 96%
XYZ	36.9514, 31.7265, 90.5625
YIQ	153.4320, -35.1260, 30.8740

Conversions

Conversions Part 2

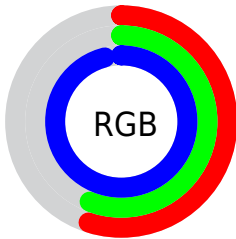
Format	Color
R _Y B	139, 143, 245
Decimal	9146357
CIE Lab	63.12, 23.90, -51.68
CIE LCh	63, 56.941, 294.823
Yxy	31.7265, 0.2320, 0.1992
Android (android.graphics.Color)	4287336437 (0xFF8B8FF5)
YUV	153.4320, 45.1430, -12.6569
Hunter-Lab	56.3263, 18.5293, -55.8992

Details

The XYZ color **36.9514, 31.7265, 90.5625** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **73.7733, 84.1895, 36.7899**, and the grayscale version is **30.2878, 31.8652, 34.7012**.

A 20% lighter version of the original color is **61.0422, 59.0228, 102.7830**, and **16.4711, 13.2534, 49.2670** is the 20% darker color. If you saturate the color by 10%, you get **30.1345, 23.4993, 89.3344**, and if you desaturate by 10%, it is **45.4310, 41.9158, 92.0829**.

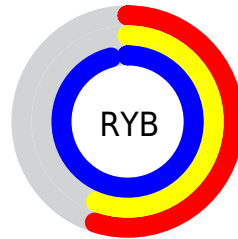
Distribution



Red (55%)

Green (56%)

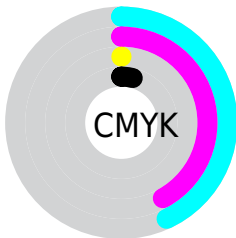
Blue (96%)



Red (55%)

Yellow (56%)

Blue (96%)

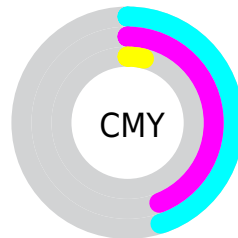


Cyan (43%)

Magenta (42%)

Yellow (0%)

Black (4%)



Cyan (45%)

Magenta (44%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9514, 31.7265, 90.5625 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 36.9514, 31.7265, 90.5625 by changing the saturation by 10% instead.

■ 36.9514, 31.7265,
90.5625

■ 36.9514, 31.7265,
90.5625

324.4592,
309.8715, 550.4762

■ 25.3434, 21.1527,
67.8709

■ 69.8123, 62.3821,
150.0618

■ 16.4632, 13.2357,
49.3267

■ 91.7960, 83.2326,
187.7067

■ 9.9454, 7.5910,
34.5113

■ 117.9688,
108.2776, 231.1730

■ 5.4248, 3.8344,
23.0061

148.6963,
137.9012, 280.8794

■ 2.5359, 1.5814,
14.3927

184.3437,
172.4881, 337.2444

■ 0.9134, 0.3450,
8.2524

225.2764,

■ 0.0000, 0.0000,

212.4225, 400.6865

4.1668

271.8598,
258.0888, 471.6242

■ 0.0000, 0.0000,
1.7173

■ 0.0000, 0.0000,
0.3725

■ 36.9514, 31.7265,
90.5625

■ 36.9514, 31.7265,
90.5625

■ 30.1345, 23.4993,
89.3344

■ 45.4310, 41.9158,
92.0829

■ 24.8677, 17.1049,
88.3778

■ 55.6688, 54.1785,
93.9103

■ 21.0302, 12.4040,
87.6726

■ 67.7572, 68.6218,
96.0610

■ 18.4819, 9.2356,
87.1954

■ 81.7814, 85.3442,
98.5496

■ 17.0542, 7.4078,
86.9178

■ 93.4816, 99.3726,
100.6407

■ 16.5818, 6.7932,
86.8241

Harmonies

Analogous

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



28.8125, 31.7265, 98.0219



36.9514, 31.7265, 90.5625



44.2635, 31.7265, 65.9413

Triad

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



36.9514, 31.7265, 90.5625



39.7213, 31.7265, 9.8775



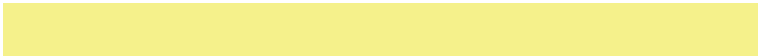
17.4744, 31.7265, 30.7864

Complementary

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



36.9514, 31.7265, 90.5625



73.7733, 84.1895, 36.7899

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.



19.4168, 31.7265, 15.1353



36.9514, 31.7265, 90.5625



31.5387, 31.7265, 6.8901

Square

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



36.9514, 31.7265, 90.5625



46.0474, 31.7265, 19.3802



24.2478, 31.7265, 8.2782



18.4181, 31.7265, 56.0747

Rectangle

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



36.9514, 31.7265, 90.5625



47.2090, 31.7265, 47.1533



24.2478, 31.7265, 8.2782



17.7998, 31.7265, 24.4117

Sweetspot

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



36.9526, 31.7276, 90.5633



74.5427, 75.5548, 105.2625



58.9847, 77.0682, 93.9722



15.2877, 15.3750, 22.4119



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.



36.9526, 31.7276, 90.5633



33.7740, 26.6693, 97.9753



46.1358, 35.5867, 90.8241



15.6313, 16.0268, 20.8122



8.9551, 3.7040, 46.7810



0.8044, 0.3602, 4.1174

Inverse Universe

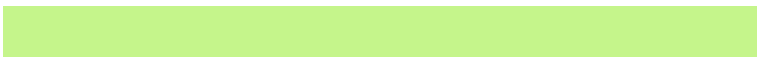
The Inverse Universe completely reimagines the original color for something new.



51.8479, 39.8625, 30.9491



52.1057, 36.8203, 24.5766



60.4185, 79.0807, 36.5077



16.5245, 16.4926, 17.2424



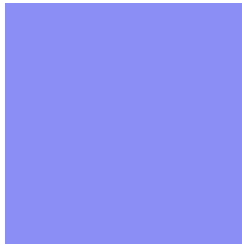
20.3246, 10.4733, 1.1519



1.7951, 0.9240, 0.1473

Previews

White Background



This preview shows how the XYZ color 36.9514, 31.7265, 90.5625 looks on a white background.

Color Contrast Check

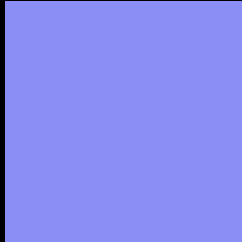
Large Text (above 18pt) WCAG AA × Fail

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 36.9514, 31.7265, 90.5625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

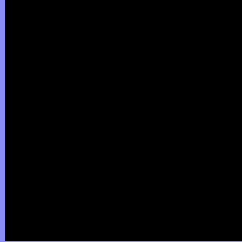
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9514, 31.7265, 90.5625

Background



This preview shows how black text looks on a background with the XYZ color 36.9514, 31.7265, 90.5625.



This preview shows how white text looks on a background with the XYZ color 36.9514, 31.7265,

90.5625.

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

36.9514, 31.7265, 90.5625

Protanopia

34.8421, 31.9047, 95.5886

Deuteranopia

32.9357, 32.0202, 89.2386



Tritanopia

27.5903, 31.7679, 43.7074

Trichromacy



Original Color

36.9514, 31.7265, 90.5625

Protanomaly

35.5586, 31.8446, 93.8950

Deuteranomaly

34.1468, 31.6714, 89.9014

Tritanomaly

30.4524, 31.4180, 58.4921

Monochromacy



Original Color

36.9514, 31.7265, 90.5625

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.8231, 31.3360, 50.8256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9514, 31.7265, 90.5625 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, 143, 245)` looks like.

```
.text, #text, p{  
    color:rgb(139, 143, 245)  
}
```

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, 143, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 143, 245) }
```

Border

The CSS property to change the border of an element to XYZ 36.9514, 31.7265, 90.5625 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, 143, 245) }
```


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

```
.border{ border-color:rgb(139, 143, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 143, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 143, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 143, 245);  
box-shadow:4px 4px 4px 4px rgb(139, 143,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9514, 31.7265, 90.5625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 143, 245) }
```

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

```
.background{ background-color: rgb(139,  
143, 245) }
```

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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