

Converting Colors

XYZ(48.4493, 39.7713,
158.7947)

Have a look what the booklet for
XYZ(48.4493, 39.7713, 158.7947)
contains.

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Color

**XYZ(37.2163, 35.2511,
99.4504)**

Conversions

Conversions Part 1

Format	Color
Hex	729EFF
RGB	114, 158, 255
RGB Percent	45%, 62%, 100%
CMY	0.5529, 0.3804, 0.0000
CMYK	0.55, 0.38, 0.00, 0.00
HSL	221°, 100%, 72%
HSV	221°, 55%, 100%
XYZ	37.2163, 35.2511, 99.4504
YIQ	155.9020, -57.3610, 20.8390

Conversions

Conversions Part 2

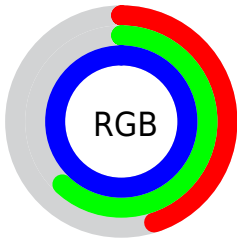
Format	Color
RYB	114, 148, 255
Decimal	7511807
CIELab	65.94, 12.59, -52.77
CIElCh	66, 54.248, 283.417
Yxy	35.2511, 0.2165, 0.2050
Android (android.graphics.Color)	4285701887 (0xFF729EFF)
YUV	155.9020, 48.8553, -36.7481
Hunter-Lab	59.3726, 7.9863, -57.7511

Details

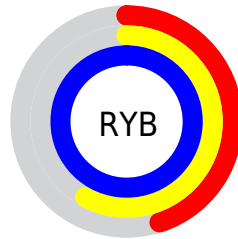
The XYZ color **37.2163, 35.2511, 99.4504** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **67.5732, 69.0662, 25.6913**, and the grayscale version is **31.3651, 32.9985, 35.9354**.

A 20% lighter version of the original color is **59.0490, 63.3056, 103.7147**, and **16.6230, 15.1969, 55.4833** is the 20% darker color. If you saturate the color by 10%, you get **31.5679, 28.2101, 98.3890**, and if you desaturate by 10%, it is **44.2186, 43.6252, 100.6977**.

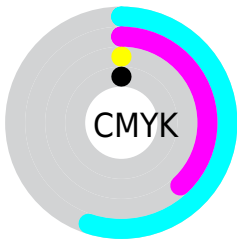
Distribution



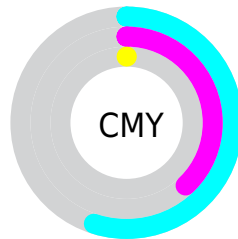
- Red (45%)
- Green (62%)
- Blue (100%)



- Red (45%)
- Yellow (58%)
- Blue (100%)



- Cyan (55%)
- Magenta (38%)
- Yellow (0%)
- Black (0%)



- Cyan (55%)
- Magenta (38%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2163, 35.2511, 99.4504 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 37.2163, 35.2511, 99.4504 by changing the saturation by 10% instead.

■ 37.2163, 35.2511,
99.4504

■ 37.2163, 35.2511,
99.4504

325.5853,
325.6753, 579.6608

■ 25.5494, 23.8564,
75.2273

■ 70.2170, 67.8746,
162.4470

■ 16.6178, 15.2271,
55.2963

■ 92.2816, 89.8721,
202.0576

■ 10.0560, 8.9789,
39.2388

■ 118.5427,
116.1727, 247.6344

■ 5.4986, 4.7274,
26.6363

149.3659,
147.1607, 299.5959

■ 2.5804, 2.0882,
17.0702

185.1164,
183.2206, 358.3608

■ 0.9360, 0.6580,
10.1221

226.1595,

■ 0.0000, 0.0000,

224.7367, 424.3476

5.3733

272.8607,
272.0935, 497.9747

■ 0.0000, 0.0000,
2.4054

■ 0.0000, 0.0000,
0.7894

■ 37.2163, 35.2511,
99.4504

■ 37.2163, 35.2511,
99.4504

■ 31.5679, 28.2101,
98.3890

■ 44.2186, 43.6252,
100.6977

■ 27.1729, 22.4220,
97.5035

■ 52.6580, 53.3990,
102.1394

■ 23.9209, 17.8020,
96.7831

■ 62.6148, 64.6380,
103.7840

■ 21.6775, 14.2497,
96.2157

■ 74.1624, 77.4028,
105.6392

■ 20.8872, 12.8944,
95.9957

■ 87.3688, 91.7499,
107.7124

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.



29.2893, 35.2511, 98.2622



37.2163, 35.2511, 99.4504



45.2749, 35.2511, 80.2872

Triad

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



37.2163, 35.2511, 99.4504



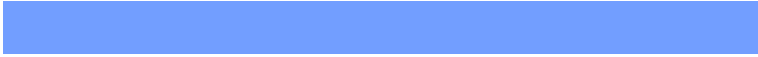
46.0163, 35.2511, 15.3089



20.7805, 35.2511, 27.0960

Complementary

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



37.2163, 35.2511, 99.4504



67.5732, 69.0662, 25.6913

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.



23.9754, 35.2511, 14.3917



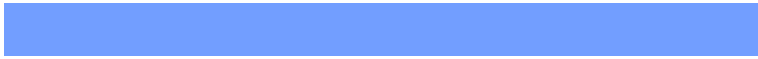
37.2163, 35.2511, 99.4504



38.1072, 35.2511, 9.6893

Square

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



37.2163, 35.2511, 99.4504



50.8767, 35.2511, 29.0106



30.0492, 35.2511, 9.4389



20.6203, 35.2511, 49.5822

Rectangle

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



37.2163, 35.2511, 99.4504



49.2939, 35.2511, 61.7619



30.0492, 35.2511, 9.4389



21.5088, 35.2511, 21.8021

Sweetspot

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



37.2175, 35.2522, 99.4505



72.0736, 75.1111, 105.3070



54.3772, 79.7686, 73.7340



14.9142, 15.5127, 22.4581



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.



37.2175, 35.2522, 99.4505



31.2164, 27.7595, 98.3206



34.8590, 24.8192, 97.5610



17.4654, 18.3024, 22.8621



11.0305, 6.9706, 50.1987



1.1666, 0.8638, 4.9185

Inverse Universe

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



53.4298, 35.7649, 36.4358



49.2999, 29.8983, 27.6813



71.1591, 89.4180, 29.4306



18.2428, 18.0804, 19.8958



22.3559, 11.4316, 5.2585



2.2234, 1.1317, 0.7581

Previews

White Background



This preview shows how the XYZ color 37.2163, 35.2511, 99.4504 looks on a white background.

Color Contrast Check

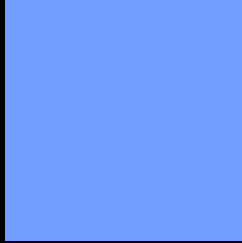
Large Text (above 18pt) WCAG AA × Fail

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 37.2163, 35.2511, 99.4504 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

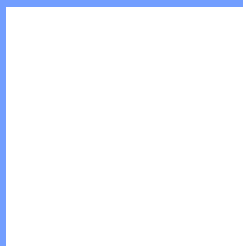
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2163, 35.2511, 99.4504

Background



This preview shows how black text looks on a background with the XYZ color 37.2163, 35.2511, 99.4504.



This preview shows how white text looks on a background with the XYZ color 37.2163, 35.2511,

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

37.2163, 35.2511, 99.4504

Protanopia

37.9462, 35.1436, 98.5494

Deuteranopia

36.4465, 35.3649, 99.5129



Tritanopia

27.6400, 35.1249, 51.7774

Trichromacy



Original Color

37.2163, 35.2511, 99.4504

Protanomaly

37.6921, 35.2628, 98.5857

Deuteranomaly

36.6325, 35.2044, 99.4721

Tritanomaly

30.5064, 34.8820, 66.7531

Monochromacy



Original Color

37.2163, 35.2511, 99.4504

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.5559, 33.5824, 54.6353

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2163, 35.2511, 99.4504 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(114, 158, 255)` looks like.

```
.text, #text, p{  
    color:rgb(114, 158, 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(114, 158, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 158, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.2163, 35.2511, 99.4504 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(114, 158, 255) }
```


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

```
.border{ border-color:rgb(114, 158, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 158, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 158, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 158, 255);  
box-shadow:4px 4px 4px 4px rgb(114, 158,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2163, 35.2511, 99.4504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 158, 255) }
```

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

```
.background{ background-color: rgb(114,  
158, 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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