

Converting Colors

XYZ(35.8721, 35.1521, 99.5021)

Have a look what the booklet for
XYZ(35.8721, 35.1521, 99.5021)
contains.

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Color

**XYZ(35.7664, 35.0143,
99.4811)**

Conversions

Conversions Part 1

Format	Color
Hex	63A0FF
RGB	99, 160, 255
RGB Percent	39%, 63%, 100%
CMY	0.6117, 0.3725, 0.0000
CMYK	0.61, 0.37, 0.00, 0.00
HSL	217°, 100%, 69%
HSV	217°, 61%, 100%
XYZ	35.7664, 35.0143, 99.4811
YIQ	152.5910, -66.8510, 16.6130

Conversions

Conversions Part 2

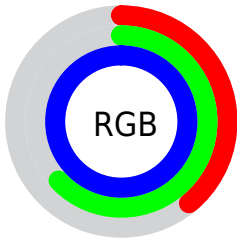
Format	Color
RYB	99, 143, 255
Decimal	6529279
CIELab	65.76, 8.57, -53.10
CIElCh	66, 53.791, 279.164
Yxy	35.0143, 0.2101, 0.2056
Android (android.graphics.Color)	4284719359 (0xFF63A0FF)
YUV	152.5910, 50.4876, -46.9993
Hunter-Lab	59.1729, 4.3398, -58.2570

Details

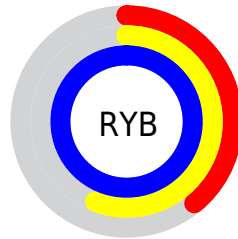
The XYZ color **35.7664, 35.0143, 99.4811** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **62.7857, 60.7473, 20.2227**, and the grayscale version is **29.9109, 31.4686, 34.2693**.

A 20% lighter version of the original color is **56.7945, 62.8902, 103.7534**, and **15.7997, 15.0856, 55.5052** is the 20% darker color. If you saturate the color by 10%, you get **30.8813, 28.7464, 98.5287**, and if you desaturate by 10%, it is **41.8694, 42.4102, 100.5870**.

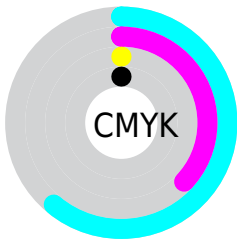
Distribution



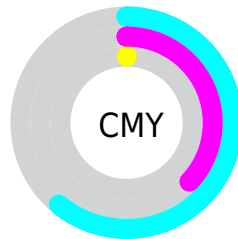
- Red (39%)
- Green (63%)
- Blue (100%)



- Red (39%)
- Yellow (56%)
- Blue (100%)



- Cyan (61%)
- Magenta (37%)
- Yellow (0%)
- Black (0%)



- Cyan (61%)
- Magenta (37%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7664, 35.0143, 99.4811 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 35.7664, 35.0143, 99.4811 by changing the saturation by 10% instead.

■ 35.7664, 35.0143,
99.4811

■ 35.7664, 35.0143,
99.4811

319.3874,
324.6314, 579.7602

■ 24.4231, 23.6739,
75.2528

■ 67.9976, 67.5079,
162.4896

■ 15.7742, 15.0919,
55.3170

■ 89.6162, 89.4299,
202.1068

■ 9.4544, 8.8839,
39.2553

■ 115.3906,
115.6479, 247.6907

■ 5.0982, 4.6655,
26.6490

145.6862,
146.5463, 299.6600

■ 2.3403, 2.0524,
17.0797

180.8683,
182.5094, 358.4330

■ 0.8152, 0.6376,
10.1288

221.3024,

■ 0.0000, 0.0000,

223.9217, 424.4283

5.3777

267.3536,
271.1676, 498.0646

■ 0.0000, 0.0000,
2.4079

■ 0.0000, 0.0000,
0.7908

■ 35.7664, 35.0143,
99.4811

■ 35.7664, 35.0143,
99.4811

■ 30.8813, 28.7464,
98.5287

■ 41.8694, 42.4102,
100.5870

■ 27.1121, 23.5342,
97.7213

■ 49.2732, 50.9929,
101.8534

■ 24.3436, 19.2993,
97.0498

■ 58.0571, 60.8201,
103.2873

■ 22.5791, 16.2782,
96.5597

■ 68.2926, 71.9446,
104.8950

■ 80.0460, 84.4157,
106.6827

■ 93.3793, 98.2800,
108.6561

■ 95.0500, 100.0000,
108.9000

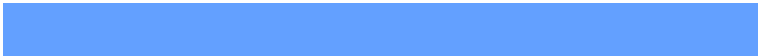
Harmonies

Analogous

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



28.1484, 35.0143, 95.1901



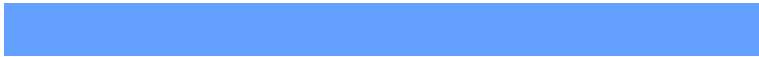
35.7664, 35.0143, 99.4811



43.8616, 35.0143, 82.9626

Triad

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



35.7664, 35.0143, 99.4811



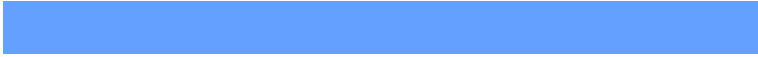
46.5491, 35.0143, 16.6707



20.9727, 35.0143, 24.6123

Complementary

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



35.7664, 35.0143, 99.4811



62.7857, 60.7473, 20.2227

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.



24.5539, 35.0143, 13.3100



35.7664, 35.0143, 99.4811



39.0002, 35.0143, 10.1527

Square

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



35.7664, 35.0143, 99.4811



50.7056, 35.0143, 31.5880



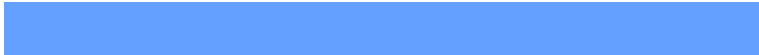
30.9117, 35.0143, 9.2312



20.3886, 35.0143, 45.5060

Rectangle

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



35.7664, 35.0143, 99.4811



48.1547, 35.0143, 65.1569



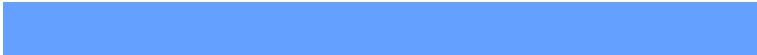
30.9117, 35.0143, 9.2312



21.8352, 35.0143, 19.8438

Sweetspot

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



35.7676, 35.0154, 99.4812



71.8548, 75.7539, 105.4426



50.4879, 78.0057, 62.6160



14.6794, 15.4657, 22.4614



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.



35.7676, 35.0154, 99.4812



30.1125, 27.7176, 98.3707



29.5313, 19.7635, 96.8660



17.5855, 18.5427, 22.9022



11.9327, 8.7750, 50.4994



1.2644, 1.0595, 4.9511

Inverse Universe

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



52.0479, 32.7234, 36.8316



48.2141, 27.4399, 28.2033



73.7446, 90.8416, 25.4538



18.3034, 18.1047, 20.2151



22.8113, 11.6138, 7.6566



2.2728, 1.1515, 1.0180

Previews

White Background



This preview shows how the XYZ color 35.7664, 35.0143, 99.4811 looks on a white background.

Color Contrast Check

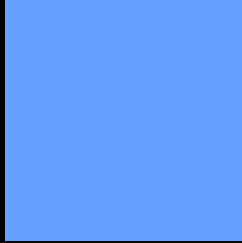
Large Text (above 18pt) WCAG AA × Fail

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 35.7664, 35.0143, 99.4811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

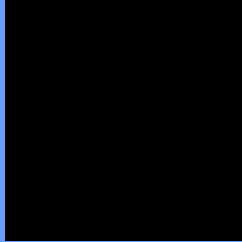
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

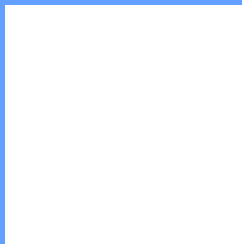
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.7664, 35.0143, 99.4811

Background



This preview shows how black text looks on a background with the XYZ color 35.7664, 35.0143, 99.4811.



This preview shows how white text looks on a background with the XYZ color 35.7664, 35.0143,

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

35.7664, 35.0143, 99.4811

Protanopia

37.4694, 34.9529, 96.0385

Deuteranopia

36.0417, 34.8998, 99.4445



Tritanopia

26.5279, 35.0962, 52.9530

Trichromacy



Original Color

35.7664, 35.0143, 99.4811

Protanomaly

36.5671, 34.7196, 96.8697

Deuteranomaly

35.9276, 34.8411, 99.4391

Tritanomaly

29.2961, 34.7917, 67.4588

Monochromacy



Original Color

35.7664, 35.0143, 99.4811

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.8556, 32.4812, 53.3584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7664, 35.0143, 99.4811 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(99, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(99, 160, 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(99, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.7664, 35.0143, 99.4811 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(99, 160, 255) }
```


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

```
.border{ border-color:rgb(99, 160, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(99, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7664, 35.0143, 99.4811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 160, 255) }
```

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

```
.background{ background-color: rgb(99, 160,  
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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