

Converting Colors

XYZ(35.9541, 35.1525, 99.4979)

Have a look what the booklet for
XYZ(35.9541, 35.1525, 99.4979)
contains.

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Color

**XYZ(35.8763, 35.0709,
99.4862)**

Conversions

Conversions Part 1

Format	Color
Hex	64A0FF
RGB	100, 160, 255
RGB Percent	39%, 63%, 100%
CMY	0.6078, 0.3725, 0.0000
CMYK	0.61, 0.37, 0.00, 0.00
HSL	217°, 100%, 70%
HSV	217°, 61%, 100%
XYZ	35.8763, 35.0709, 99.4862
YIQ	152.8900, -66.2550, 16.8250

Conversions

Conversions Part 2

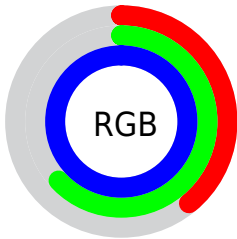
Format	Color
RYB	100, 143, 255
Decimal	6594815
CIELab	65.80, 8.75, -53.03
CIElCh	66, 53.748, 279.365
Yxy	35.0709, 0.2105, 0.2058
Android (android.graphics.Color)	4284784895 (0xFF64A0FF)
YUV	152.8900, 50.3402, -46.3845
Hunter-Lab	59.2207, 4.5003, -58.1482

Details

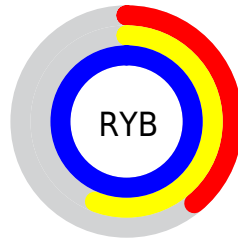
The XYZ color **35.8763, 35.0709, 99.4862** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **63.0572, 61.2133, 20.5505**, and the grayscale version is **30.0406, 31.6051, 34.4179**.

A 20% lighter version of the original color is **56.9969, 62.9945, 103.7628**, and **15.8587, 15.1161, 55.5079** is the 20% darker color. If you saturate the color by 10%, you get **30.9431, 28.7556, 98.5272**, and if you desaturate by 10%, it is **42.0350, 42.5246, 100.6003**.

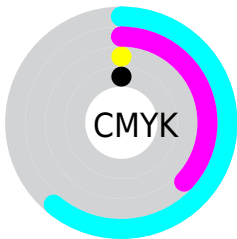
Distribution



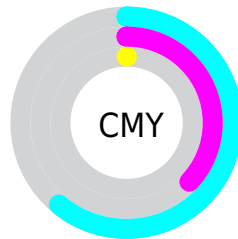
- Red (39%)
- Green (63%)
- Blue (100%)



- 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 35.8763, 35.0709, 99.4862 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 35.8763, 35.0709, 99.4862 by changing the saturation by 10% instead.

■ 35.8763, 35.0709,
99.4862

■ 35.8763, 35.0709,
99.4862

319.8602,
324.8812, 579.7767

■ 24.5083, 23.7175,
75.2570

■ 68.1662, 67.5956,
162.4966

■ 15.8379, 15.1242,
55.3205

■ 89.8189, 89.5357,
202.1150

■ 9.4996, 8.9066,
39.2580

■ 115.6305,
115.7734, 247.7001

■ 5.1282, 4.6803,
26.6511

145.9664,
146.6932, 299.6706

■ 2.3582, 2.0609,
17.0813

181.1920,
182.6795, 358.4450

■ 0.8242, 0.6425,
10.1299

221.6726,

■ 0.0000, 0.0000,

224.1167, 424.4417

5.3784

267.7735,
271.3891, 498.0795

■ 0.0000, 0.0000,
2.4084

■ 0.0000, 0.0000,
0.7910

■ 35.8763, 35.0709,
99.4862

■ 35.8763, 35.0709,
99.4862

■ 30.9431, 28.7556,
98.5272

■ 42.0350, 42.5246,
100.6003

■ 27.1334, 23.5060,
97.7148

■ 49.5017, 51.1756,
101.8766

■ 24.3329, 19.2437,
97.0397

■ 58.3559, 61.0820,
103.3221

■ 22.4839, 16.0878,
96.5280

■ 68.6689, 72.2969,
104.9432

■ 80.5071, 84.8698,
106.7461

■ 93.9327, 98.8477,
108.7365

■ 95.0500, 100.0000,
108.9000

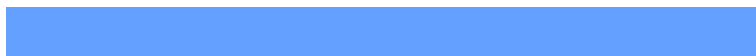
Harmonies

Analogous

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



28.2452, 35.0709, 95.3437



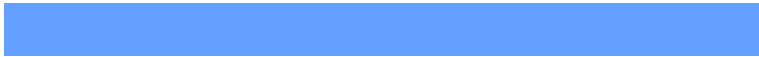
35.8763, 35.0709, 99.4862



43.9669, 35.0709, 82.8581

Triad

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



35.8763, 35.0709, 99.4862



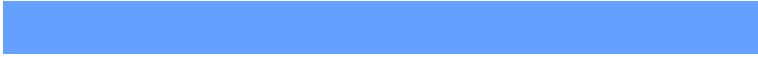
46.5623, 35.0709, 16.6505



21.0066, 35.0709, 24.7749

Complementary

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



35.8763, 35.0709, 99.4862



63.0572, 61.2133, 20.5505

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.



24.5702, 35.0709, 13.4021



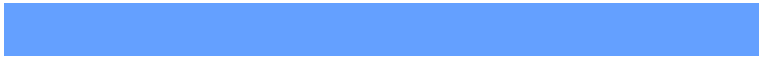
35.8763, 35.0709, 99.4862



38.9996, 35.0709, 10.1692

Square

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



35.8763, 35.0709, 99.4862



50.7496, 35.0709, 31.5139



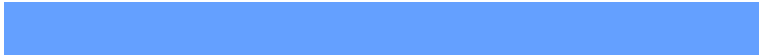
30.9144, 35.0709, 9.2781



20.4422, 35.0709, 45.7396

Rectangle

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



35.8763, 35.0709, 99.4862



48.2452, 35.0709, 65.0314



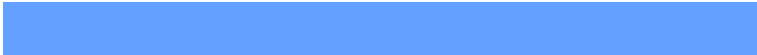
30.9144, 35.0709, 9.2781



21.8630, 35.0709, 19.9807

Sweetspot

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



35.8775, 35.0720, 99.4864



71.8055, 75.6552, 105.4261



50.6424, 78.0802, 62.8558



14.6675, 15.4418, 22.4574



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.



35.8775, 35.0720, 99.4864



30.0044, 27.5013, 98.3346



29.7451, 20.0152, 96.9033



17.5795, 18.5306, 22.9002



11.8822, 8.6740, 50.4826



1.2591, 1.0488, 4.9494

Inverse Universe

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



52.1433, 32.9140, 36.8633



48.1595, 27.4181, 27.9159



73.8266, 90.8783, 25.7088



18.3004, 18.1035, 20.1991



22.7858, 11.6036, 7.5224



2.2701, 1.1504, 1.0039

Previews

White Background



This preview shows how the XYZ color 35.8763, 35.0709, 99.4862 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 35.8763, 35.0709, 99.4862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

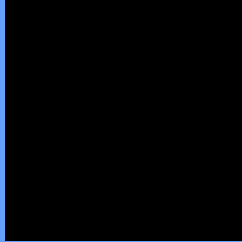
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

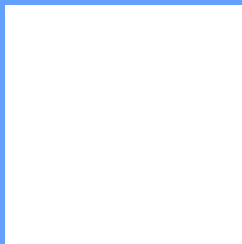
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8763, 35.0709, 99.4862

Background



This preview shows how black text looks on a background with the XYZ color 35.8763, 35.0709, 99.4862.



This preview shows how white text looks on a background with the XYZ color 35.8763, 35.0709,

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

35.8763, 35.0709, 99.4862

Protanopia

37.4694, 34.9529, 96.0385

Deuteranopia

36.0417, 34.8998, 99.4445



Tritanopia

26.6674, 35.1682, 52.9596

Trichromacy



Original Color

35.8763, 35.0709, 99.4862

Protanomaly

36.6979, 34.7871, 96.8758

Deuteranomaly

35.9276, 34.8411, 99.4391

Tritanomaly

29.3799, 34.8349, 67.4627

Monochromacy



Original Color

35.8763, 35.0709, 99.4862

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

31.0142, 32.5630, 53.3659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8763, 35.0709, 99.4862 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(100, 160, 255)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 160, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 160, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.8763, 35.0709, 99.4862 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(100, 160, 255) }
```


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

```
.border{ border-color:rgb(100, 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(100, 160, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 160, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 160, 255);  
box-shadow:4px 4px 4px 4px rgb(100, 160,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8763, 35.0709, 99.4862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 160, 255) }
```

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

```
.background{ background-color: rgb(100,  
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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