

Converting Colors

XYZ(36.1735, 36.6372, 99.7729)

Have a look what the booklet for
XYZ(36.1735, 36.6372, 99.7729)
contains.

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Color

**XYZ(36.1212, 36.5100,
99.7511)**

Conversions

Conversions Part 1

Format	Color
Hex	5EA5FF
RGB	94, 165, 255
RGB Percent	37%, 65%, 100%
CMY	0.6313, 0.3529, 0.0000
CMYK	0.63, 0.35, 0.00, 0.00
HSL	214°, 100%, 68%
HSV	214°, 63%, 100%
XYZ	36.1212, 36.5100, 99.7511
YIQ	154.0310, -71.2060, 12.9380

Conversions

Conversions Part 2

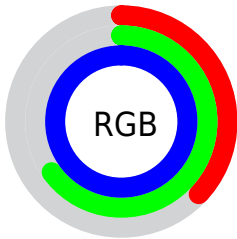
Format	Color
R _Y B	94, 143, 255
Decimal	6202879
CIE Lab	66.91, 4.81, -51.30
CIE LCh	67, 51.525, 275.354
Yxy	36.5100, 0.2095, 0.2118
Android (android.graphics.Color)	4284392959 (0xFF5EA5FF)
YUV	154.0310, 49.7777, -52.6472
Hunter-Lab	60.4235, 0.9662, -55.5834

Details

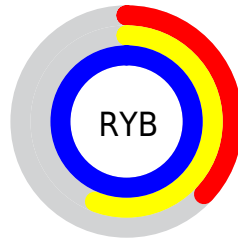
The XYZ color **36.1212, 36.5100, 99.7511** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **60.4025, 56.3518, 18.2850**, and the grayscale version is **30.5412, 32.1317, 34.9914**.

A 20% lighter version of the original color is **57.5478, 65.5745, 104.2318**, and **16.2104, 16.1118, 55.6816** is the 20% darker color. If you saturate the color by 10%, you get **31.4955, 30.5192, 98.8385**, and if you desaturate by 10%, it is **41.8994, 43.5214, 100.7999**.

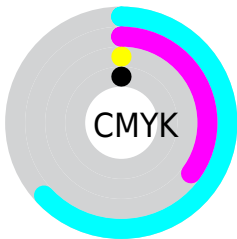
Distribution



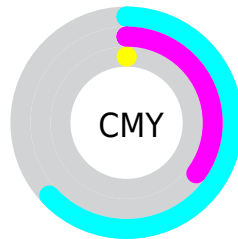
- Red (37%)
- Green (65%)
- Blue (100%)



- Red (37%)
- Yellow (56%)
- Blue (100%)



- Cyan (63%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (63%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1212, 36.5100, 99.7511 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 36.1212, 36.5100, 99.7511 by changing the saturation by 10% instead.

■ 36.1212, 36.5100,
99.7511

■ 36.1212, 36.5100,
99.7511

320.9120,
331.1842, 580.6342

■ 24.6984, 24.8283,
75.4770

■ 68.5417, 69.8185,
162.8640

■ 15.9800, 15.9492,
55.4996

■ 90.2702, 92.2142,
202.5398

■ 9.6008, 9.4882,
39.4006

■ 116.1645,
118.9499, 248.1866

■ 5.1953, 5.0610,
26.7613

■ 146.5900,
150.4102, 300.2230

■ 2.3982, 2.2831,
17.1632

181.9122,
186.9793, 359.0673

■ 0.8442, 0.7647,
10.1877

222.4964,

■ 0.0000, 0.0000,

229.0418, 425.1383

5.4164

268.7078,
276.9820, 498.8544

■ 0.0000, 0.0000,
2.4306

■ 0.0000, 0.0000,
0.8030

■ 36.1212, 36.5100,
99.7511

■ 36.1212, 36.5100,
99.7511

■ 31.4955, 30.5192,
98.8385

■ 41.8994, 43.5214,
100.7999

■ 27.9202, 25.4810,
98.0545

■ 48.9119, 51.6073,
101.9910

■ 25.2790, 21.3213,
97.3908

■ 57.2368, 60.8212,
103.3307

■ 23.8939, 18.9078,
96.9980

■ 66.9443, 71.2113,
104.8246

■ 78.0992, 82.8228,
106.4779

■ 90.7620, 95.6982,
108.2957

■ 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.



28.8111, 36.5100, 93.0234



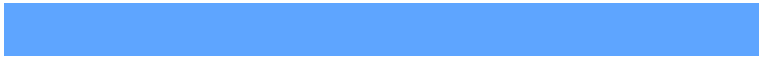
36.1212, 36.5100, 99.7511



44.1317, 36.5100, 86.1309

Triad

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



36.1212, 36.5100, 99.7511



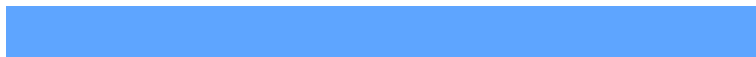
48.4398, 36.5100, 19.7065



22.7687, 36.5100, 24.3865

Complementary

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



36.1212, 36.5100, 99.7511



60.4025, 56.3518, 18.2850

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.



26.7208, 36.5100, 13.9899



36.1212, 36.5100, 99.7511



41.3449, 36.5100, 12.0842

Square

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



36.1212, 36.5100, 99.7511



51.8942, 36.5100, 35.8753



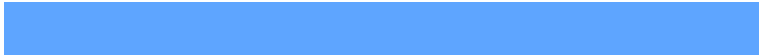
33.3198, 36.5100, 10.4757



21.7998, 36.5100, 43.9009

Rectangle

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



36.1212, 36.5100, 99.7511



48.5728, 36.5100, 69.5418



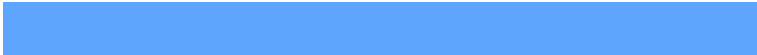
33.3198, 36.5100, 10.4757



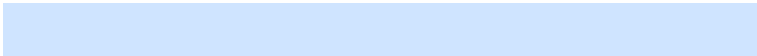
23.7600, 36.5100, 19.9804

Sweetspot

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



36.1225, 36.5112, 99.7512



71.3767, 75.8609, 105.4884



48.8778, 77.3005, 56.9009



14.6154, 15.5440, 22.4799



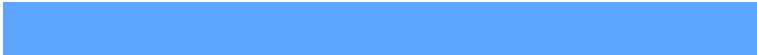
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



36.1225, 36.5112, 99.7512



30.3680, 28.9808, 98.6010



27.5395, 18.0550, 96.6412



17.6622, 18.6960, 22.9277



12.6281, 10.1657, 50.7312



1.3362, 1.2032, 4.9751

Inverse Universe

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



52.0352, 31.9836, 39.0292



48.1594, 26.7149, 30.0830



76.1210, 92.0934, 24.3554



18.3421, 18.1202, 20.4189



23.1623, 11.7542, 9.5049



2.3091, 1.1660, 1.2090

Previews

White Background



This preview shows how the XYZ color 36.1212, 36.5100, 99.7511 looks on a white background.

Color Contrast Check

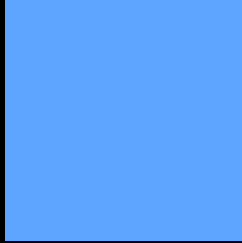
Large Text (above 18pt) WCAG AA × Fail

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 36.1212, 36.5100, 99.7511 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

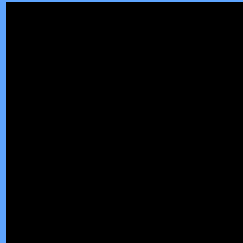
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

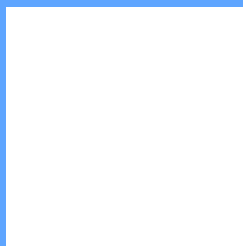
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.1212, 36.5100, 99.7511

Background



This preview shows how black text looks on a background with the XYZ color 36.1212, 36.5100, 99.7511.

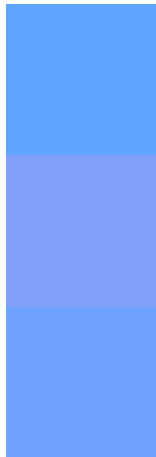


This preview shows how white text looks on a background with the XYZ color 36.1212, 36.5100,

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

36.1212, 36.5100, 99.7511

Protanopia

38.7067, 36.3655, 95.4217

Deuteranopia

37.5259, 36.4402, 99.6636



Tritanopia

27.3593, 36.6387, 55.4992

Trichromacy



Original Color

36.1212, 36.5100, 99.7511

Protanomaly

37.5180, 36.2310, 97.1113

Deuteranomaly

36.9729, 36.4176, 99.6884

Tritanomaly

29.9570, 36.2099, 69.7003

Monochromacy



Original Color

36.1212, 36.5100, 99.7511

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

31.1465, 33.1208, 54.0416

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1212, 36.5100, 99.7511 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(94, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(94, 165, 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(94, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.1212, 36.5100, 99.7511 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(94, 165, 255) }
```


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

```
.border{ border-color:rgb(94, 165, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(94, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1212, 36.5100, 99.7511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 165, 255) }
```

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

```
.background{ background-color: rgb(94, 165,  
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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