

Converting Colors

XYZ(35.8558, 36.2748,
102.6772)

Have a look what the booklet for
XYZ(35.8558, 36.2748, 102.6772)
contains.

XYZ(35.3429, 36.1087, 99.7146)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(35.3429, 36.1087,
99.7146)**

Conversions

Conversions Part 1

Format	Color
Hex	56A5FF
RGB	86, 165, 255
RGB Percent	34%, 65%, 100%
CMY	0.6627, 0.3529, 0.0000
CMYK	0.66, 0.35, 0.00, 0.00
HSL	212°, 100%, 67%
HSV	212°, 66%, 100%
XYZ	35.3429, 36.1087, 99.7146
YIQ	151.6390, -75.9740, 11.2420

Conversions

Conversions Part 2

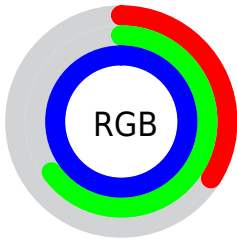
Format	Color
R _Y B	86, 140, 255
Decimal	5678591
CIE Lab	66.60, 3.50, -51.80
CIE LCh	67, 51.920, 273.867
Yxy	36.1087, 0.2065, 0.2110
Android (android.graphics.Color)	4283868671 (0xFF56A5FF)
YUV	151.6390, 50.9570, -57.5654
Hunter-Lab	60.0905, -0.1717, -56.3229

Details

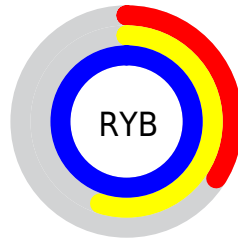
The XYZ color **35.3429, 36.1087, 99.7146** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **58.4471, 52.9861, 15.9531**, and the grayscale version is **29.5024, 31.0389, 33.8013**.

A 20% lighter version of the original color is **56.2209, 64.8904, 104.1697**, and **16.2104, 16.1118, 55.6816** is the 20% darker color. If you saturate the color by 10%, you get **31.0790, 30.4657, 98.8502**, and if you desaturate by 10%, it is **40.7064, 42.7057, 100.7053**.

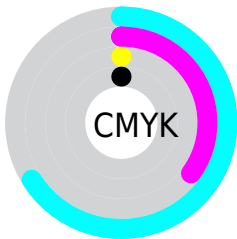
Distribution



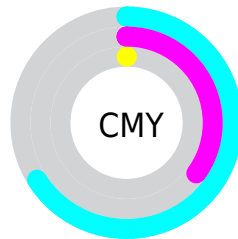
- Red (34%)
- Green (65%)
- Blue (100%)



- Red (34%)
- Yellow (55%)
- Blue (100%)



- Cyan (66%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (66%)
- Magenta (35%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3429, 36.1087, 99.7146 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 35.3429, 36.1087, 99.7146 by changing the saturation by 10% instead.

■ 35.3429, 36.1087,
99.7146

■ 35.3429, 36.1087,
99.7146

317.5609,
329.4354, 580.5161

■ 24.0949, 24.5182,
75.4467

■ 67.3472, 69.1998,
162.8134

■ 15.5291, 15.7184,
55.4749

■ 88.8341, 91.4692,
202.4813

■ 9.2803, 9.3251,
39.3809

■ 114.4648,
118.0669, 248.1196

■ 4.9830, 4.9539,
26.7461

■ 144.6045,
149.3775, 300.1469

■ 2.2720, 2.2202,
17.1519

179.6186,
185.7852, 358.9816

■ 0.7803, 0.7310,
10.1797

219.8724,

■ 0.0000, 0.0000,

227.6745, 425.0424

5.4111

265.7314,
275.4298, 498.7477

■ 0.0000, 0.0000,
2.4275

■ 0.0000, 0.0000,
0.8014

■ 35.3429, 36.1087,
99.7146

■ 35.3429, 36.1087,
99.7146

■ 31.0790, 30.4657,
98.8502

■ 40.7064, 42.7057,
100.7053

■ 27.8092, 25.7088,
98.1043

■ 47.2536, 50.3100,
101.8280

■ 25.4094, 21.7620,
97.4690

■ 55.0637, 58.9740,
103.0887

■ 24.6701, 20.4603,
97.2567

■ 64.2076, 68.7447,
104.4927

■ 74.7506, 79.6661,
106.0451

■ 86.7534, 91.7792,
107.7505

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.



28.1229, 36.1087, 91.9337



35.3429, 36.1087, 99.7146



43.3856, 36.1087, 86.9184

Triad

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



35.3429, 36.1087, 99.7146



48.3574, 36.1087, 19.8923



22.5285, 36.1087, 23.2554

Complementary

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



35.3429, 36.1087, 99.7146



58.4471, 52.9861, 15.9531

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.



26.6147, 36.1087, 13.3297



35.3429, 36.1087, 99.7146



41.3671, 36.1087, 11.9687

Square

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



35.3429, 36.1087, 99.7146



51.5855, 36.1087, 36.4867



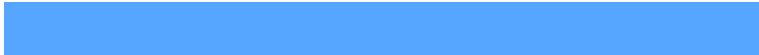
33.3175, 36.1087, 10.1273



21.4140, 36.1087, 42.2883

Rectangle

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



35.3429, 36.1087, 99.7146



47.9308, 36.1087, 70.5122



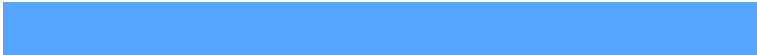
33.3175, 36.1087, 10.1273



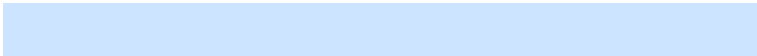
23.5661, 36.1087, 19.0212

Sweetspot

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



35.3442, 36.1098, 99.7148



70.6510, 75.4557, 105.4484



47.1727, 76.5285, 51.9838



14.4892, 15.4946, 22.4770



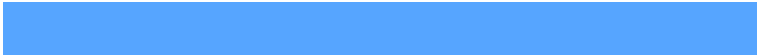
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



35.3442, 36.1098, 99.7148



29.7492, 28.5917, 98.5585



25.4818, 15.9925, 96.3516



17.7030, 18.7776, 22.9413



13.0370, 10.9836, 50.8675



1.3775, 1.2857, 4.9888

Inverse Universe

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



51.3603, 30.6339, 38.8041



47.6399, 25.7141, 29.7921



77.6515, 92.9218, 22.6493



18.3627, 18.1284, 20.5273



23.3687, 11.8368, 10.5918



2.3299, 1.1743, 1.3187

Previews

White Background



This preview shows how the XYZ color 35.3429, 36.1087, 99.7146 looks on a white background.

Color Contrast Check

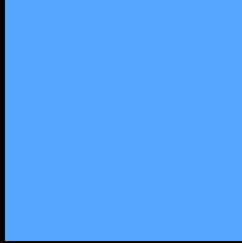
Large Text (above 18pt) WCAG AA × Fail

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 35.3429, 36.1087, 99.7146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

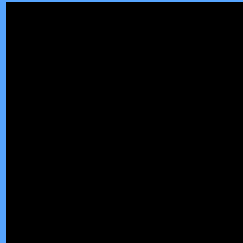
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

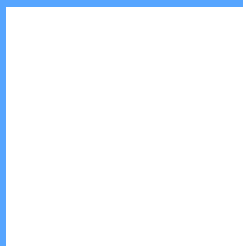
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3429, 36.1087, 99.7146

Background



This preview shows how black text looks on a background with the XYZ color 35.3429, 36.1087, 99.7146.



This preview shows how white text looks on a background with the XYZ color 35.3429, 36.1087,

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

35.3429, 36.1087, 99.7146

Protanopia

38.2278, 35.8825, 94.5337

Deuteranopia

36.9792, 35.8979, 99.5877



Tritanopia

26.6071, 36.2509, 55.4640

Trichromacy



Original Color

35.3429, 36.1087, 99.7146

Protanomaly

36.9675, 35.9655, 96.2604

Deuteranomaly

36.2259, 35.7700, 99.6027

Tritanomaly

29.1338, 35.7855, 69.6618

Monochromacy



Original Color

35.3429, 36.1087, 99.7146

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

30.1444, 32.3773, 52.8048

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3429, 36.1087, 99.7146 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(86, 165, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 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(86, 165, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 165, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.3429, 36.1087, 99.7146 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(86, 165, 255) }
```


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

```
.border{ border-color:rgb(86, 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(86, 165, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 165, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 165, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 165,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3429, 36.1087, 99.7146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 165, 255) }
```

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

```
.background{ background-color: rgb(86, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor