

Converting Colors

XYZ(36.2466, 39.0699,
100.2386)

Have a look what the booklet for
XYZ(36.2466, 39.0699, 100.2386)
contains.

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Color

**XYZ(36.2466, 39.0699,
100.2386)**

Conversions

Conversions Part 1

Format	Color
Hex	4DAEFF
RGB	77, 174, 255
RGB Percent	30%, 68%, 100%
CMY	0.6980, 0.3176, 0.0000
CMYK	0.70, 0.32, 0.00, 0.00
HSL	207°, 100%, 65%
HSV	207°, 70%, 100%
XYZ	36.2466, 39.0699, 100.2386
YIQ	154.2310, -83.8130, 4.6270

Conversions

Conversions Part 2

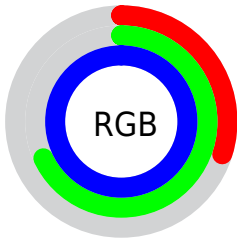
Format	Color
R _Y B	77, 140, 255
Decimal	5091071
CIE Lab	68.80, -2.94, -48.35
CIE LCh	69, 48.440, 266.523
Yxy	39.0699, 0.2065, 0.2226
Android (android.graphics.Color)	4283281151 (0xFF4DAEFF)
YUV	154.2310, 49.6791, -67.7316
Hunter-Lab	62.5059, -5.8749, -51.3272

Details

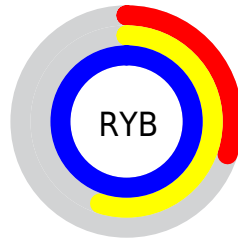
The XYZ color **36.2466, 39.0699, 100.2386** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **54.8083, 46.2528, 13.0622**, and the grayscale version is **30.6335, 32.2288, 35.0971**.

A 20% lighter version of the original color is **57.5709, 69.1879, 104.9280**, and **17.1526, 17.9963, 55.9957** is the 20% darker color. If you saturate the color by 10%, you get **32.4316, 33.9182, 99.4453**, and if you desaturate by 10%, it is **41.0637, 45.0269, 101.1345**.

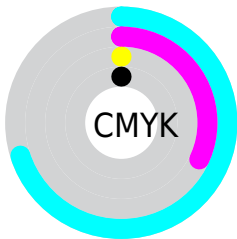
Distribution



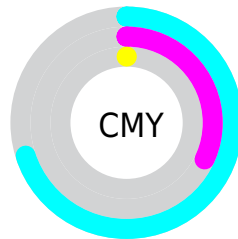
- Red (30%)
- Green (68%)
- Blue (100%)



- Red (30%)
- Yellow (55%)
- Blue (100%)



- Cyan (70%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2466, 39.0699, 100.2386 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 36.2466, 39.0699, 100.2386 by changing the saturation by 10% instead.

■ 36.2466, 39.0699,
100.2386

■ 36.2466, 39.0699,
100.2386

321.4496,
342.1876, 582.2106

■ 24.7957, 26.8141,
75.8818

■ 68.7339, 73.7451,
163.5398

■ 16.0528, 17.4337,
55.8295

■ 90.5010, 96.9333,
203.3212

■ 9.6526, 10.5442,
39.6632

■ 116.4376,
124.5344, 249.0814

■ 5.2297, 5.7612,
26.9642

■ 146.9089,
156.9328, 301.2387

■ 2.4188, 2.7004,
17.3142

182.2805,
194.5130, 360.2117

■ 0.8545, 0.9774,
10.2944

222.9175,

■ 0.0000, 0.0000,

237.6592, 426.4190

5.4865

269.1854,
286.7559, 500.2791

■ 0.0000, 0.0000,
2.4717

■ 0.0000, 0.0000,
0.8251

■ 36.2466, 39.0699,
100.2386

■ 36.2466, 39.0699,
100.2386

■ 32.4316, 33.9182,
99.4453

■ 41.0637, 45.0269,
101.1345

■ 29.5097, 29.5065,
98.7477

■ 46.9679, 51.8384,
102.1381

■ 27.3164, 25.7433,
98.1370

■ 54.0387, 59.5524,
103.2544

■ 27.2763, 25.6726,
98.1254

■ 62.3464, 68.2119,
104.4879

■ 71.9555, 77.8564,
105.8431

■ 82.9256, 88.5227,
107.3237

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.



29.5720, 39.0699, 88.4511



36.2466, 39.0699, 100.2386



44.1253, 39.0699, 92.6944

Triad

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



36.2466, 39.0699, 100.2386



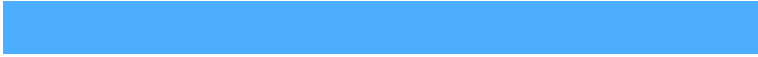
51.9726, 39.0699, 26.3151



26.1315, 39.0699, 23.2206

Complementary

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



36.2466, 39.0699, 100.2386



54.8083, 46.2528, 13.0622

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.



30.9245, 39.0699, 14.8155



36.2466, 39.0699, 100.2386



45.8880, 39.0699, 16.1214

Square

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



36.2466, 39.0699, 100.2386



53.9062, 39.0699, 45.1565



38.0373, 39.0699, 12.7550



24.2619, 39.0699, 40.0275

Rectangle

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



36.2466, 39.0699, 100.2386



48.9111, 39.0699, 78.7682



38.0373, 39.0699, 12.7550



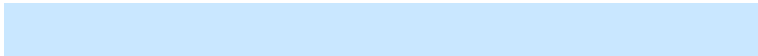
27.4189, 39.0699, 19.5762

Sweetspot

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



36.2479, 39.0711, 100.2388



70.7313, 76.6454, 105.6738



44.9163, 75.5362, 44.1584



14.5525, 15.8209, 22.5367



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.



36.2479, 39.0711, 100.2388



31.1022, 31.9788, 99.1410



24.4321, 15.4395, 96.3002



17.8233, 19.0183, 22.9815



14.4037, 13.7170, 51.3231



1.5117, 1.5541, 5.0336

Inverse Universe

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



51.5348, 29.6254, 43.0475



48.1566, 25.2843, 34.4753



75.5663, 87.7687, 19.9815



18.4235, 18.1527, 20.8471



24.0585, 12.1127, 14.2246



2.3976, 1.2014, 1.6754

Previews

White Background



This preview shows how the XYZ color 36.2466, 39.0699, 100.2386 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 36.2466, 39.0699, 100.2386 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

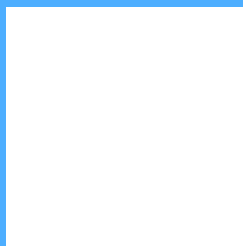
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2466, 39.0699, 100.2386

Background



This preview shows how black text looks on a background with the XYZ color 36.2466, 39.0699, 100.2386.

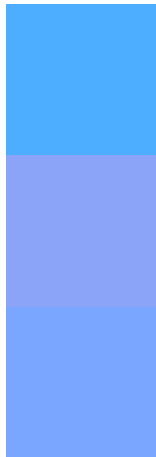


This preview shows how white text looks on a background with the XYZ color 36.2466, 39.0699,

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

36.2466, 39.0699, 100.2386

Protanopia

40.7114, 38.7553, 93.3305

Deuteranopia

39.8546, 38.7034, 99.9777



Tritanopia

28.4015, 39.1914, 60.7114

Trichromacy



Original Color

36.2466, 39.0699, 100.2386

Protanomaly

38.4604, 38.6204, 95.8699

Deuteranomaly

38.1818, 38.6601, 100.0575

Tritanomaly

30.7088, 38.8680, 73.5939

Monochromacy



Original Color

36.2466, 39.0699, 100.2386

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.7530, 33.6869, 54.1716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2466, 39.0699, 100.2386 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(77, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 174, 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(77, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2466, 39.0699, 100.2386 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(77, 174, 255) }
```


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

```
.border{ border-color:rgb(77, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2466, 39.0699, 100.2386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 174, 255) }
```

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

```
.background{ background-color: rgb(77, 174,  
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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