

Converting Colors

XYZ(36.3797, 39.4835,
100.3114)

Have a look what the booklet for
XYZ(36.3797, 39.4835, 100.3114)
contains.

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Color

**XYZ(36.3605, 39.4164,
100.2995)**

Conversions

Conversions Part 1

Format	Color
Hex	4CAFFF
RGB	76, 175, 255
RGB Percent	30%, 69%, 100%
CMY	0.7019, 0.3137, 0.0000
CMYK	0.70, 0.31, 0.00, 0.00
HSL	207°, 100%, 65%
HSV	207°, 70%, 100%
XYZ	36.3605, 39.4164, 100.2995
YIQ	154.5190, -84.6840, 3.8920

Conversions

Conversions Part 2

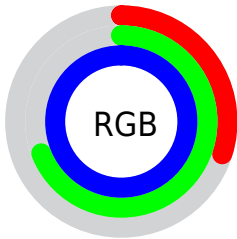
Format	Color
R _Y B	76, 140, 255
Decimal	5025791
CIE Lab	69.05, -3.64, -47.96
CIE LCh	69, 48.097, 265.665
Yxy	39.4164, 0.2065, 0.2239
Android (android.graphics.Color)	4283215871 (0xFF4CAFFF)
YUV	154.5190, 49.5371, -68.8612
Hunter-Lab	62.7825, -6.4910, -50.7723

Details

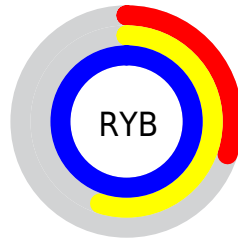
The XYZ color **36.3605, 39.4164, 100.2995** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **54.4352, 45.5625, 12.7652**, and the grayscale version is **30.7608, 32.3627, 35.2430**.

A 20% lighter version of the original color is **57.6745, 69.6533, 105.0124**, and **17.2760, 18.2431, 56.0368** is the 20% darker color. If you saturate the color by 10%, you get **32.5956, 34.3208, 99.5144**, and if you desaturate by 10%, it is **41.1175, 45.3025, 101.1849**.

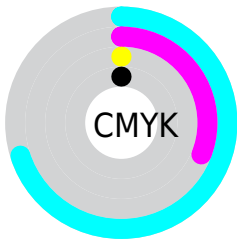
Distribution



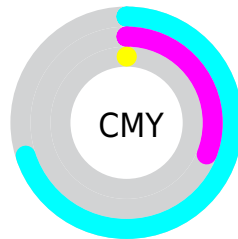
- Red (30%)
- Green (69%)
- Blue (100%)



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



- Cyan (70%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3605, 39.4164, 100.2995 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 36.3605, 39.4164, 100.2995 by changing the saturation by 10% instead.

■ 36.3605, 39.4164,
100.2995

■ 36.3605, 39.4164,
100.2995

321.9373,
343.6576, 582.4074

■ 24.8841, 27.0838,
75.9324

■ 68.9084, 74.2740,
163.6242

■ 16.1190, 17.6362,
55.8708

■ 90.7106, 97.5678,
203.4188

■ 9.6998, 10.6891,
39.6960

■ 116.6855,
125.2842, 249.1931

■ 5.2611, 5.8582,
26.9896

■ 147.1984,
157.8074, 301.3655

■ 2.4376, 2.7590,
17.3331

182.6147,
195.5220, 360.3546

■ 0.8639, 1.0073,
10.3078

223.2997,

■ 0.0000, 0.0000,

238.8123, 426.5789

5.4952

269.6188,
288.0627, 500.4570

■ 0.0000, 0.0000,
2.4769

■ 0.0000, 0.0000,
0.8279

■ 36.3605, 39.4164,
100.2995

■ 36.3605, 39.4164,
100.2995

■ 32.5956, 34.3208,
99.5144

■ 41.1175, 45.3025,
101.1849

■ 29.7131, 29.9507,
98.8228

■ 46.9518, 52.0280,
102.1755

■ 27.5790, 26.2780,
98.2263

■ 53.9430, 59.6409,
103.2765

■ 62.1615, 68.1834,
104.4922

■ 71.6716, 77.6949,
105.8269

■ 82.5330, 88.2119,
107.2844

94.8015, 99.7688,
108.8685

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.



29.7475, 39.4164, 88.0859



36.3605, 39.4164, 100.2995



44.2201, 39.4164, 93.3426

Triad

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



36.3605, 39.4164, 100.2995



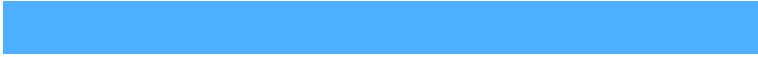
52.3883, 39.4164, 27.1030



26.5596, 39.4164, 23.2336

Complementary

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



36.3605, 39.4164, 100.2995



54.4352, 45.5625, 12.7652

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.



31.4338, 39.4164, 14.9982



36.3605, 39.4164, 100.2995



46.4116, 39.4164, 16.6384

Square

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



36.3605, 39.4164, 100.2995



54.1746, 39.4164, 46.1898



38.5898, 39.4164, 13.0793



24.6005, 39.4164, 39.8041

Rectangle

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



36.3605, 39.4164, 100.2995



49.0316, 39.4164, 79.7117



38.5898, 39.4164, 13.0793



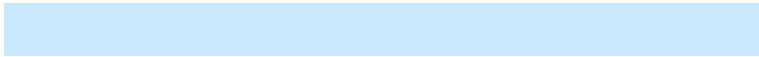
27.8760, 39.4164, 19.6533

Sweetspot

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



36.3618, 39.4177, 100.2996



70.8529, 76.8887, 105.7144



44.5388, 75.3759, 42.5877



14.5814, 15.8788, 22.5463



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.



36.3618, 39.4177, 100.2996



31.4000, 32.5743, 99.2403



24.5167, 15.7275, 96.3513



17.8360, 19.0436, 22.9857



14.5620, 14.0335, 51.3758



1.5269, 1.5846, 5.0386

Inverse Universe

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



51.5633, 29.5258, 43.5397



48.3069, 25.3444, 35.2668



74.6157, 85.9236, 19.4920



18.4299, 18.1553, 20.8809



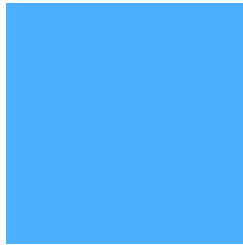
24.1384, 12.1447, 14.6452



2.4053, 1.2045, 1.7159

Previews

White Background



This preview shows how the XYZ color 36.3605, 39.4164, 100.2995 looks on a white background.

Color Contrast Check

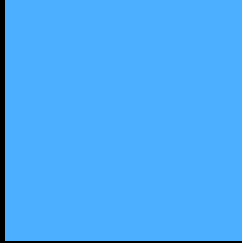
Large Text (above 18pt) WCAG AA × Fail

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 36.3605, 39.4164, 100.2995 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

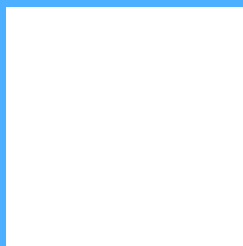
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3605, 39.4164, 100.2995

Background



This preview shows how black text looks on a background with the XYZ color 36.3605, 39.4164, 100.2995.



This preview shows how white text looks on a background with the XYZ color 36.3605, 39.4164,

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

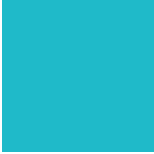
36.3605, 39.4164, 100.2995

Protanopia

40.9049, 39.1395, 92.5875

Deuteranopia

40.1809, 39.1425, 100.0452



Tritanopia

28.6666, 39.6262, 61.3961

Trichromacy



Original Color

36.3605, 39.4164, 100.2995

Protanomaly

38.6230, 38.9974, 95.1141

Deuteranomaly

38.4881, 39.0953, 100.1253

Tritanomaly

30.9514, 39.2807, 74.3572

Monochromacy



Original Color

36.3605, 39.4164, 100.2995

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9285, 34.0379, 54.2301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3605, 39.4164, 100.2995 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(76, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(76, 175, 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(76, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.3605, 39.4164, 100.2995 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(76, 175, 255) }
```


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

```
.border{ border-color:rgb(76, 175, 255) }
```

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

Here you see how a box with a 4 pixel rgb(76, 175, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(76, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3605, 39.4164, 100.2995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 175, 255) }
```

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

```
.background{ background-color: rgb(76, 175,  
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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