

Converting Colors

XYZ(36.0540, 39.4780, 98.1902)

Have a look what the booklet for
XYZ(36.0540, 39.4780, 98.1902)
contains.

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Color

**XYZ(36.0765, 39.6154,
97.8406)**

Conversions

Conversions Part 1

Format	Color
Hex	4CB0FC
RGB	76, 176, 252
RGB Percent	30%, 69%, 99%
CMY	0.7019, 0.3098, 0.0118
CMYK	0.70, 0.30, 0.00, 0.01
HSL	206°, 97%, 64%
HSV	206°, 70%, 99%
XYZ	36.0765, 39.6154, 97.8406
YIQ	154.7640, -83.9960, 2.4360

Conversions

Conversions Part 2

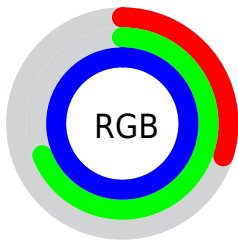
Format	Color
R _Y B	76, 140, 252
Decimal	5026044
CIE Lab	69.19, -5.20, -46.11
CIE LCh	69, 46.401, 263.567
Yxy	39.6154, 0.2079, 0.2283
Android (android.graphics.Color)	4283216124 (0xFF4CB0FC)
YUV	154.7640, 47.9373, -69.0760
Hunter-Lab	62.9408, -7.8334, -48.1070

Details

The XYZ color **36.0765, 39.6154, 97.8406** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **52.6801, 43.6775, 12.4936**, and the grayscale version is **30.8750, 32.4829, 35.3739**.

A 20% lighter version of the original color is **57.9536, 70.2115, 105.1054**, and **17.0580, 18.3554, 54.2737** is the 20% darker color. If you saturate the color by 10%, you get **32.4033, 34.6807, 97.0825**, and if you desaturate by 10%, it is **40.7072, 45.2989, 98.6944**.

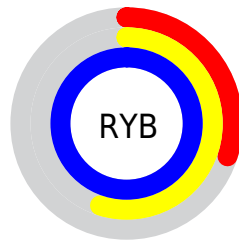
Distribution



Red (30%)

Green (69%)

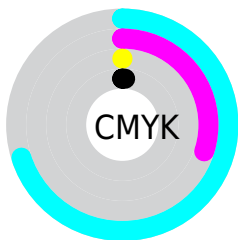
Blue (99%)



Red (30%)

Yellow (55%)

Blue (99%)

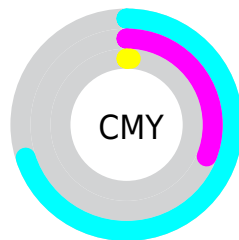


Cyan (70%)

Magenta (30%)

Yellow (0%)

Black (1%)



Cyan (70%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0765, 39.6154, 97.8406 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 36.0765, 39.6154, 97.8406 by changing the saturation by 10% instead.

■ 36.0765, 39.6154,
97.8406

■ 36.0765, 39.6154,
97.8406

320.7202,
344.4999, 574.4344

■ 24.6637, 27.2388,
73.8916

■ 68.4732, 74.5775,
160.2124

■ 15.9540, 17.7527,
54.2090

■ 90.1878, 97.9318,
199.4722

■ 9.5823, 10.7726,
38.3745

■ 116.0671,
125.7141, 244.6727

■ 5.1830, 5.9141,
25.9694

■ 146.4763,
158.3089, 296.2325

■ 2.3909, 2.7929,
16.5752

181.7809,
196.1004, 354.5700

■ 0.8406, 1.0246,
9.7733

222.3461,

■ 0.0000, 0.0000,

239.4732, 420.1038

5.1453

268.5375,
288.8115, 493.2524

■ 0.0000, 0.0000,
2.2725

■ 0.0000, 0.0000,
0.7158

■ 36.0765, 39.6154,
97.8406

■ 36.0765, 39.6154,
97.8406

■ 32.4033, 34.6807,
97.0825

■ 40.7072, 45.2989,
98.6944

■ 29.5818, 30.4324,
96.4112

■ 46.3767, 51.7769,
99.6459

■ 27.4518, 26.7826,
95.8190

■ 53.1616, 59.0952,
100.7009

■ 27.4199, 26.7265,
95.8099

■ 61.1299, 67.2942,
101.8635

■ 70.3433, 76.4108,
103.1376

■ 80.8594, 86.4798,
104.5268

■ 92.7317, 97.5338,
106.0347

■ 94.5709, 99.8083,
106.3768

Harmonies

Analogous

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



29.7966, 39.6154, 85.0898



36.0765, 39.6154, 97.8406



43.6532, 39.6154, 92.4993

Triad

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



36.0765, 39.6154, 97.8406



52.3100, 39.6154, 28.7680



27.2974, 39.6154, 23.1272

Complementary

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



36.0765, 39.6154, 97.8406



52.6801, 43.6775, 12.4936

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.



32.2299, 39.6154, 15.4677



36.0765, 39.6154, 97.8406



46.7821, 39.6154, 17.8966

Square

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



36.0765, 39.6154, 97.8406



53.6923, 39.6154, 47.8787



39.2753, 39.6154, 13.9306



25.1761, 39.6154, 38.7144

Rectangle

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



36.0765, 39.6154, 97.8406



48.3721, 39.6154, 80.0504



39.2753, 39.6154, 13.9306



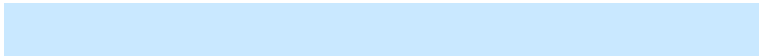
28.6478, 39.6154, 19.7775

Sweetspot

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



36.0780, 39.6167, 97.8416



71.0800, 77.3429, 105.7901



43.2442, 73.3392, 40.4532



14.6354, 15.9868, 22.5643



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.



36.0780, 39.6167, 97.8416



31.9651, 33.7046, 99.4286



24.2658, 15.9924, 93.9042



17.1016, 18.2800, 22.0123



14.4326, 14.2208, 49.9578



1.4420, 1.5277, 4.6621

Inverse Universe

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



50.5672, 29.0008, 44.0078



48.5922, 25.4585, 36.7689



71.8315, 81.9803, 18.8774



17.6578, 17.3905, 20.0538



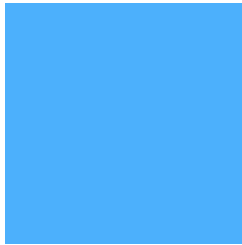
23.5769, 11.8465, 15.0124



2.2368, 1.1185, 1.6704

Previews

White Background



This preview shows how the XYZ color 36.0765, 39.6154, 97.8406 looks on a white background.

Color Contrast Check

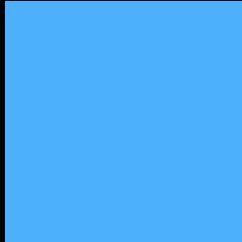
Large Text (above 18pt) WCAG AA × Fail

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 36.0765, 39.6154, 97.8406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

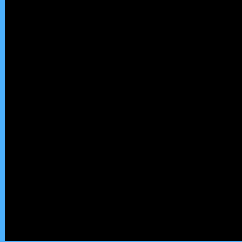
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

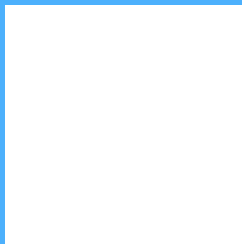
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.0765, 39.6154, 97.8406

Background



This preview shows how black text looks on a background with the XYZ color 36.0765, 39.6154, 97.8406.

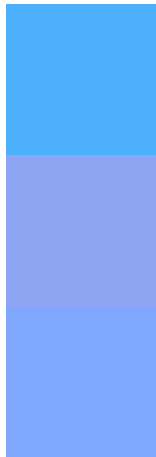


This preview shows how white text looks on a background with the XYZ color 36.0765, 39.6154,

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

36.0765, 39.6154, 97.8406

Protanopia

40.7881, 39.1321, 90.1975

Deuteranopia

40.4605, 39.3052, 99.2201



Tritanopia

28.8645, 39.7282, 61.4053

Trichromacy



Original Color

36.0765, 39.6154, 97.8406

Protanomaly

38.2937, 38.8813, 92.6753

Deuteranomaly

38.2887, 39.0294, 98.4439

Tritanomaly

31.0115, 39.3270, 73.6665

Monochromacy



Original Color

36.0765, 39.6154, 97.8406

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.9956, 34.3477, 53.7113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0765, 39.6154, 97.8406 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, 176, 252)` looks like.

```
.text, #text, p{  
    color:rgb(76, 176, 252)  
}
```

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, 176, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 176, 252) }
```

Border

The CSS property to change the border of an element to XYZ 36.0765, 39.6154, 97.8406 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, 176, 252) }
```


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

```
.border{ border-color:rgb(76, 176, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 176, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 176, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 176, 252);  
box-shadow:4px 4px 4px 4px rgb(76, 176,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0765, 39.6154, 97.8406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 176, 252) }
```

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

```
.background{ background-color: rgb(76, 176,  
252) }
```

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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