

Converting Colors

XYZ(32.3893, 36.3404, 94.9298)

Have a look what the booklet for
XYZ(32.3893, 36.3404, 94.9298)
contains.

XYZ(32.3893, 36.3404, 94.9298)	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(32.3893, 36.3404,
94.9298)**

Conversions

Conversions Part 1

Format	Color
Hex	24ABF9
RGB	36, 171, 249
RGB Percent	14%, 67%, 98%
CMY	0.8587, 0.3294, 0.0235
CMYK	0.86, 0.31, 0.00, 0.02
HSL	202°, 95%, 56%
HSV	202°, 86%, 98%
XYZ	32.3893, 36.3404, 94.9298
YIQ	139.5270, -105.4980, -4.3620

Conversions

Conversions Part 2

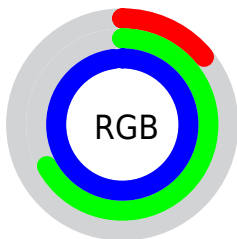
Format	Color
R _Y B	36, 119, 249
Decimal	2403321
CIE Lab	66.78, -7.57, -48.34
CIE LCh	67, 48.929, 261.104
Yxy	36.3404, 0.1979, 0.2220
Android (android.graphics.Color)	4280593401 (0xFF24ABF9)
YUV	139.5270, 53.9702, -90.7932
Hunter-Lab	60.2830, -9.5894, -51.1680

Details

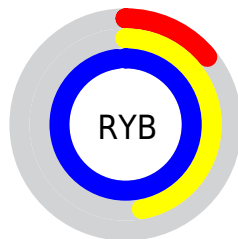
The XYZ color **32.3893, 36.3404, 94.9298** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **45.4061, 32.3075, 5.5139**, and the grayscale version is **24.5744, 25.8542, 28.1552**.

A 20% lighter version of the original color is **52.9921, 65.6058, 104.4779**, and **16.1113, 16.9994, 52.3012** is the 20% darker color. If you saturate the color by 10%, you get **30.1383, 32.7109, 94.3486**, and if you desaturate by 10%, it is **35.3646, 40.5207, 95.5806**.

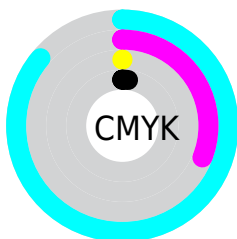
Distribution



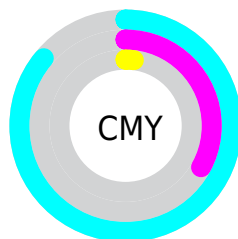
- Red (14%)
- Green (67%)
- Blue (98%)



- Red (14%)
- Yellow (47%)
- Blue (98%)



- Cyan (86%)
- Magenta (31%)
- Yellow (0%)
- Black (2%)



- Cyan (86%)
- Magenta (33%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3893, 36.3404, 94.9298 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 32.3893, 36.3404, 94.9298 by changing the saturation by 10% instead.

■ 32.3893, 36.3404,
94.9298

■ 32.3893, 36.3404,
94.9298

304.6027,
330.4459, 564.9188

■ 21.8160, 24.6972,
71.4800

■ 62.7820, 69.5571,
156.1624

■ 13.8376, 15.8516,
52.2498

■ 83.3321, 91.8995,
194.7822

■ 8.0888, 9.4192,
36.8206

■ 107.9385,
118.5770, 239.2958

■ 4.2041, 5.0156,
24.7739

■ 136.9666,
149.9741, 290.1216

■ 1.8182, 2.2564,
15.6912

■ 170.7817,
186.4751, 347.6783

■ 0.5286, 0.7505,
9.1539

209.7492,

■ 0.0000, 0.0000,

228.4645, 412.3844

4.7435

254.2344,
276.3266, 484.6584

■ 0.0000, 0.0000,
2.0415

■ 0.0000, 0.0000,
0.5806

■ 32.3893, 36.3404,
94.9298

■ 32.3893, 36.3404,
94.9298

■ 30.1383, 32.7109,
94.3486

■ 35.3646, 40.5207,
95.5806

■ 29.2932, 31.2279,
94.1070

■ 39.1700, 45.3084,
96.3042

■ 43.8964, 50.7540,
97.1062

■ 49.6206, 56.9005,
97.9909

■ 56.4109, 63.7862,
98.9621

■ 64.3290, 71.4460,
100.0232

■ 73.4317, 79.9122,
101.1776

■ 83.7719, 89.2151,
102.4283

■ 93.4881, 98.3977,
103.6886

Harmonies

Analogous

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



26.3643, 36.3404, 80.4437



32.3893, 36.3404, 94.9298



39.9136, 36.3404, 90.9719

Triad

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



32.3893, 36.3404, 94.9298



49.5654, 36.3404, 26.6500



24.6196, 36.3404, 19.1214

Complementary

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



32.3893, 36.3404, 94.9298



45.4061, 32.3075, 5.5139

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.



29.6726, 36.3404, 12.4508



32.3893, 36.3404, 94.9298



44.2532, 36.3404, 15.5950

Square

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



32.3893, 36.3404, 94.9298



50.5671, 36.3404, 46.2013



36.7848, 36.3404, 11.4430



22.3178, 36.3404, 33.6030

Rectangle

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



32.3893, 36.3404, 94.9298



44.7498, 36.3404, 78.8370



36.7848, 36.3404, 11.4430



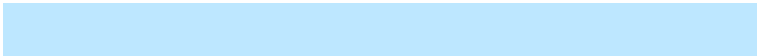
26.0155, 36.3404, 16.1431

Sweetspot

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



32.3907, 36.3416, 94.9307



67.4591, 74.9949, 105.5277



37.4498, 69.2656, 26.3099



13.7934, 15.4346, 22.5021



0.0000, 0.0000, 0.0000



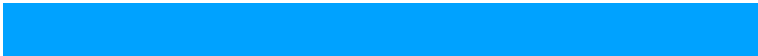
20.3446, 21.4041, 23.3091

Same Dimension

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



32.3907, 36.3416, 94.9307



30.9018, 32.9235, 99.3339



19.8928, 11.3459, 90.7648



17.2001, 18.4771, 22.0452



15.8202, 16.9960, 50.4203



1.5662, 1.7761, 4.7035

Inverse Universe

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



47.0497, 24.3435, 40.7479



47.7270, 23.8548, 36.0899



64.2130, 69.9212, 11.7828



17.7076, 17.4104, 20.3158



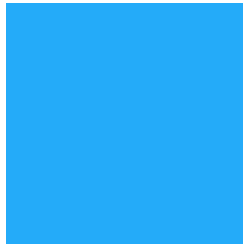
24.2773, 12.1267, 18.7007



2.2995, 1.1435, 2.0005

Previews

White Background



This preview shows how the XYZ color 32.3893, 36.3404, 94.9298 looks on a white background.

Color Contrast Check

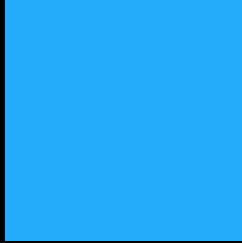
Large Text (above 18pt) WCAG AA × Fail

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 32.3893, 36.3404, 94.9298 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

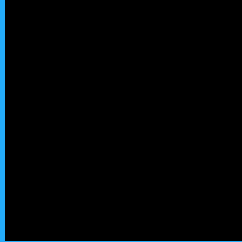
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

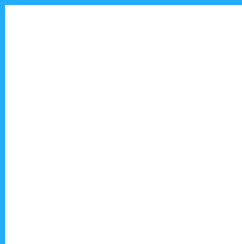
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.3893, 36.3404, 94.9298

Background



This preview shows how black text looks on a background with the XYZ color 32.3893, 36.3404, 94.9298.

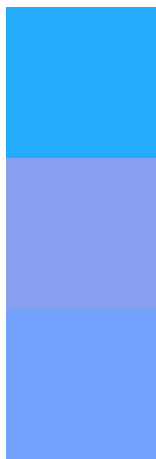


This preview shows how white text looks on a background with the XYZ color 32.3893, 36.3404,

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

32.3893, 36.3404, 94.9298

Protanopia

37.6623, 36.0377, 85.8599

Deuteranopia

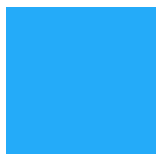
37.0969, 36.0322, 96.2665



Tritanopia

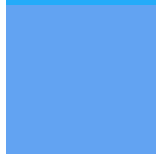
25.7457, 36.0905, 56.0613

Trichromacy



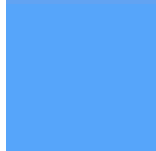
Original Color

32.3893, 36.3404, 94.9298



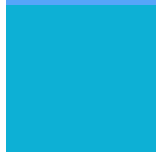
Protanomaly

34.1612, 35.2019, 88.9986



Deuteranomaly

34.5482, 35.7908, 95.5299



Tritanomaly

27.7016, 35.9403, 68.4279

Monochromacy



Original Color

32.3893, 36.3404, 94.9298



Achromatopsia

24.9269, 26.2251, 28.5591



Achromatomaly

24.7843, 28.2533, 47.3272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3893, 36.3404, 94.9298 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(36, 171, 249)` looks like.

```
.text, #text, p{  
    color:rgb(36, 171, 249)  
}
```

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(36, 171, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 171, 249) }
```

Border

The CSS property to change the border of an element to XYZ 32.3893, 36.3404, 94.9298 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(36, 171, 249) }
```


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

```
.border{ border-color:rgb(36, 171, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 171, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 171, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 171, 249);  
box-shadow:4px 4px 4px 4px rgb(36, 171,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3893, 36.3404, 94.9298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 171, 249) }
```

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

```
.background{ background-color: rgb(36, 171,  
249) }
```

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