

Converting Colors

XYZ(30.6990, 36.5726, 95.5990)

Have a look what the booklet for
XYZ(30.6990, 36.5726, 95.5990)
contains.

XYZ(32.5853, 37.5621, 95.9753)	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(32.5853, 37.5621,
95.9753)**

Conversions

Conversions Part 1

Format	Color
Hex	00AFFA
RGB	0, 175, 250
RGB Percent	0%, 69%, 98%
CMY	0.9997, 0.3137, 0.0196
CMYK	1.00, 0.30, 0.00, 0.02
HSL	198°, 100%, 49%
HSV	198°, 100%, 98%
XYZ	32.5853, 37.5621, 95.9753
YIQ	131.2250, -128.3750, -13.7750

Conversions

Conversions Part 2

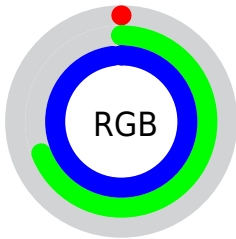
Format	Color
RYB	0, 103, 250
Decimal	45050
CIELab	67.70, -10.82, -47.46
CIELCh	68, 48.675, 257.159
Yxy	37.5621, 0.1962, 0.2261
Android (android.graphics.Color)	4278235130 (0xFF00AFFA)
YUV	131.2250, 58.5561, -115.0843
Hunter-Lab	61.2879, -12.3498, -49.9450

Details

The XYZ color **32.5853, 37.5621, 95.9753** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **41.9460, 25.3661, 2.6874**, and the grayscale version is **21.4921, 22.6113, 24.6237**.

A 20% lighter version of the original color is **52.9024, 67.1931, 104.7891**, and **16.7086, 18.0162, 53.0489** is the 20% darker color. If you saturate the color by 10%, you get **32.5816, 37.5545, 95.9748**, and if you desaturate by 10%, it is **34.4895, 40.7725, 96.4954**.

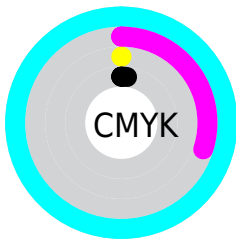
Distribution



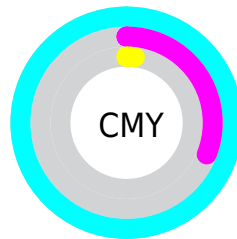
- Red (0%)
- Green (69%)
- Blue (98%)



- Red (0%)
- Yellow (40%)
- Blue (98%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (31%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.5853, 37.5621, 95.9753 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 32.5853, 37.5621, 95.9753 by changing the saturation by 10% instead.

■ 32.5853, 37.5621,
95.9753

■ 32.5853, 37.5621,
95.9753

305.4750,
335.7377, 568.3465

■ 21.9667, 25.6430,
72.3456

■ 63.0866, 71.4365,
157.6185

■ 13.9489, 16.5568,
52.9525

■ 83.6999, 94.1605,
196.4691

■ 8.1666, 9.9190,
37.3774

■ 108.3755,
121.2550, 241.2304

■ 4.2544, 5.3453,
25.2017

■ 137.4787,
153.1043, 292.3209

■ 1.8471, 2.4512,
16.0070

■ 171.3749,
190.0928, 350.1593

■ 0.5458, 0.8521,
9.3747

210.4295,

■ 0.0000, 0.0000,

232.6050, 415.1640

4.8863

255.0077,
281.0252, 487.7535

■ 0.0000, 0.0000,
2.1231

■ 0.0000, 0.0000,
0.6295

■ 32.5853, 37.5621,
95.9753

■ 32.5853, 37.5621,
95.9753

■ 32.5816, 37.5545,
95.9748

■ 34.4895, 40.7725,
96.4954

■ 36.9892, 44.4116,
97.0661

■ 40.2446, 48.5646,
97.6961

■ 44.3527, 53.2831,
98.3904

■ 49.3952, 58.6111,
99.1530

■ 55.4434, 64.5870,
99.9877

■ 62.5615, 71.2456,
100.8978

■ 70.8079, 78.6188,
101.8863

■ 80.2368, 86.7360,
102.9561

Harmonies

Analogous

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



26.7494, 37.5621, 79.3693



32.5853, 37.5621, 95.9753



40.1370, 37.5621, 94.5572

Triad

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



32.5853, 37.5621, 95.9753



51.3659, 37.5621, 29.8636



26.1193, 37.5621, 18.7183

Complementary

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



32.5853, 37.5621, 95.9753



41.9460, 25.3661, 2.6874

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.



31.6057, 37.5621, 12.7301



32.5853, 37.5621, 95.9753



46.4569, 37.5621, 17.4392

Square

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



32.5853, 37.5621, 95.9753



51.7259, 37.5621, 50.8036



39.0106, 37.5621, 12.3631



23.3843, 37.5621, 32.3730

Rectangle

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



32.5853, 37.5621, 95.9753



45.1611, 37.5621, 83.5434



39.0106, 37.5621, 12.3631



27.6649, 37.5621, 15.9874

Sweetspot

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



32.5867, 37.5633, 95.9763



65.3940, 74.4821, 105.5376



35.4586, 68.8810, 18.0922



13.2949, 15.2943, 22.5013



0.0000, 0.0000, 0.0000



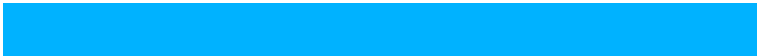
20.3446, 21.4041, 23.3091

Same Dimension

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



32.5867, 37.5633, 95.9763



34.0659, 39.2518, 100.3886



18.3994, 9.1888, 91.2472



17.3004, 18.6776, 22.0786



17.4142, 20.1839, 50.9516



1.7056, 2.0549, 4.7499

Inverse Universe

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



47.1635, 23.4210, 42.5933



49.3241, 24.4936, 44.5003



60.0829, 61.6399, 8.7330



17.7582, 17.4306, 20.5822



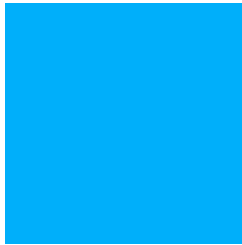
25.0819, 12.4485, 22.9374



2.3698, 1.1717, 2.3709

Previews

White Background



This preview shows how the XYZ color 32.5853, 37.5621, 95.9753 looks on a white background.

Color Contrast Check

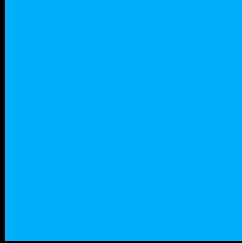
Large Text (above 18pt) WCAG AA × Fail

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 32.5853, 37.5621, 95.9753 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

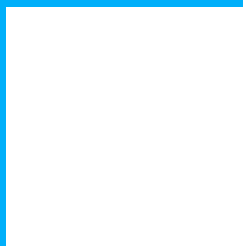
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.5853, 37.5621, 95.9753

Background



This preview shows how black text looks on a background with the XYZ color 32.5853, 37.5621, 95.9753.



This preview shows how white text looks on a background with the XYZ color 32.5853, 37.5621,

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

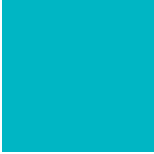
32.5853, 37.5621, 95.9753

Protanopia

38.6587, 37.0661, 86.0059

Deuteranopia

38.4346, 37.2082, 98.0847



Tritanopia

26.6918, 37.4414, 58.0447

Trichromacy



Original Color

32.5853, 37.5621, 95.9753

Protanomaly

33.6877, 35.7579, 89.1308

Deuteranomaly

34.3699, 36.2022, 97.2717

Tritanomaly

28.5148, 37.1981, 70.6428

Monochromacy



Original Color

32.5853, 37.5621, 95.9753

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.6410, 25.7624, 43.8764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.5853, 37.5621, 95.9753 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(0, 175, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 250)  
}
```

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(0, 175, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 250) }
```

Border

The CSS property to change the border of an element to XYZ 32.5853, 37.5621, 95.9753 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(0, 175, 250) }
```


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

```
.border{ border-color:rgb(0, 175, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 32.5853, 37.5621, 95.9753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 250) }
```

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

```
.background{ background-color: rgb(0, 175,  
250) }
```

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