

Converting Colors

XYZ(33.6846, 36.6320, 99.5372)

Have a look what the booklet for
XYZ(33.6846, 36.6320, 99.5372)
contains.

XYZ(33.7401, 36.6476, 99.9031)	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(33.7401, 36.6476,
99.9031)**

Conversions

Conversions Part 1

Format	Color
Hex	32AAFF
RGB	50, 170, 255
RGB Percent	20%, 67%, 100%
CMY	0.8038, 0.3333, 0.0000
CMYK	0.80, 0.33, 0.00, 0.00
HSL	205°, 100%, 60%
HSV	205°, 80%, 100%
XYZ	33.7401, 36.6476, 99.9031
YIQ	143.8100, -98.8050, 0.9950

Conversions

Conversions Part 2

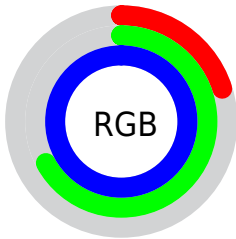
Format	Color
R _{YB}	50, 126, 255
Decimal	3320575
CIE _{Lab}	67.01, -3.78, -51.22
CIE _{LCh}	67, 51.359, 265.779
Y _{xy}	36.6476, 0.1981, 0.2152
Android (android.graphics.Color)	4281510655 (0xFF32AAFF)
Y _{UV}	143.8100, 54.8167, -82.2714
Hunter-Lab	60.5373, -6.4542, -55.4687

Details

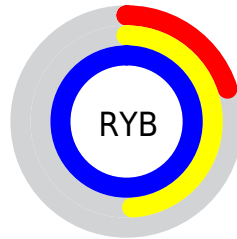
The XYZ color **33.7401, 36.6476, 99.9031** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **50.4824, 38.8230, 7.8526**, and the grayscale version is **26.2506, 27.6177, 30.0757**.

A 20% lighter version of the original color is **53.7276, 65.5825, 104.4347**, and **16.6715, 17.0341, 55.8353** is the 20% darker color. If you saturate the color by 10%, you get **30.9110, 32.3643, 99.2255**, and if you desaturate by 10%, it is **37.4301, 41.6123, 100.6669**.

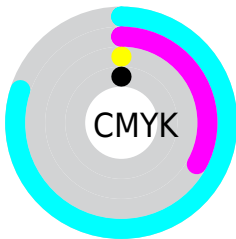
Distribution



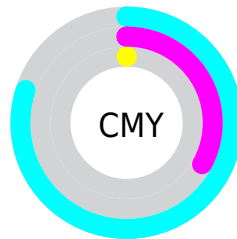
- Red (20%)
- Green (67%)
- Blue (100%)



- Red (20%)
- Yellow (49%)
- Blue (100%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7401, 36.6476, 99.9031 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 33.7401, 36.6476, 99.9031 by changing the saturation by 10% instead.

■ 33.7401, 36.6476,
99.9031

■ 33.7401, 36.6476,
99.9031

310.5780,
331.7823, 581.1260

■ 22.8560, 24.9348,
75.6032

■ 64.8763, 70.0305,
163.0747

■ 14.6073, 16.0285,
55.6025

■ 85.8590, 92.4693,
202.7835

■ 8.6288, 9.5443,
39.4824

■ 110.9387,
119.2522, 248.4657

■ 4.5550, 5.0979,
26.8245

■ 140.4806,
150.7636, 300.5398

■ 2.0207, 2.3048,
17.2102

174.8501,
187.3879, 359.4243

■ 0.6455, 0.7762,
10.2209

214.4126,

■ 0.0000, 0.0000,

229.5096, 425.5378

5.4382

259.5334,
277.5129, 499.2989

■ 0.0000, 0.0000,
2.4434

■ 0.0000, 0.0000,
0.8099

■ 33.7401, 36.6476,
99.9031

■ 33.7401, 36.6476,
99.9031

■ 30.9110, 32.3643,
99.2255

■ 37.4301, 41.6123,
100.6669

■ 28.8388, 28.7976,
98.6463

■ 42.0823, 47.3147,
101.5224

■ 47.7865, 53.8066,
102.4748

■ 54.6202, 61.1330,
103.5288

■ 62.6531, 69.3347,
104.6885

■ 71.9487, 78.4493,
105.9579

■ 82.5660, 88.5117,
107.3405

■ 94.5600, 99.5548,
108.8399

■ 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.



27.0597, 36.6476, 87.0045



33.7401, 36.6476, 99.9031



41.7713, 36.6476, 92.4299

Triad

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



33.7401, 36.6476, 99.9031



50.1598, 36.6476, 23.9849



23.8437, 36.6476, 20.2922

Complementary

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



33.7401, 36.6476, 99.9031



50.4824, 38.8230, 7.8526

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.



28.7080, 36.6476, 12.3744



33.7401, 36.6476, 99.9031



43.9670, 36.6476, 13.8802

Square

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



33.7401, 36.6476, 99.9031



52.0344, 36.6476, 43.1489



35.9481, 36.6476, 10.5652



21.9130, 36.6476, 36.8241

Rectangle

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



33.7401, 36.6476, 99.9031



46.7254, 36.6476, 77.9853



35.9481, 36.6476, 10.5652



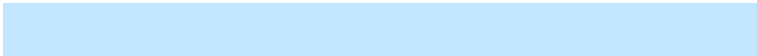
25.1510, 36.6476, 16.8162

Sweetspot

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



33.7414, 36.6487, 99.9033



68.4388, 75.0467, 105.4861



41.2419, 73.8648, 33.9174



13.9439, 15.3709, 22.4819



0.0000, 0.0000, 0.0000



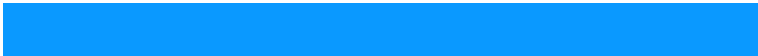
20.3446, 21.4041, 23.3091

Same Dimension

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



33.7414, 36.6487, 99.9033



29.6494, 30.2293, 98.8799



21.5889, 12.3438, 95.8525



17.8866, 19.1447, 23.0025



15.2197, 15.3490, 51.5951



1.5897, 1.7102, 5.0596

Inverse Universe

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



49.6373, 26.4451, 40.5194



47.1411, 23.7976, 32.4587



71.3820, 80.6222, 14.8191



18.4554, 18.1655, 21.0152



24.4704, 12.2775, 16.3935



2.4370, 1.2172, 1.8828

Previews

White Background



This preview shows how the XYZ color 33.7401, 36.6476, 99.9031 looks on a white background.

Color Contrast Check

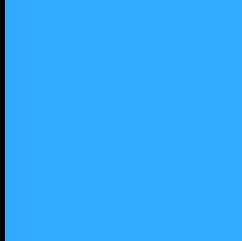
Large Text (above 18pt) WCAG AA × Fail

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 33.7401, 36.6476, 99.9031 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

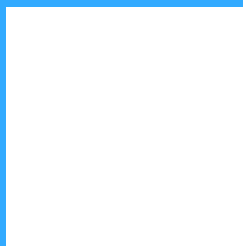
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7401, 36.6476, 99.9031

Background



This preview shows how black text looks on a background with the XYZ color 33.7401, 36.6476, 99.9031.

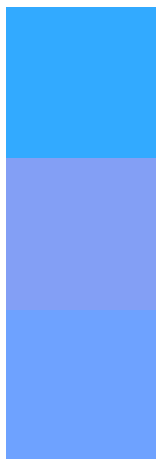


This preview shows how white text looks on a background with the XYZ color 33.7401, 36.6476,

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

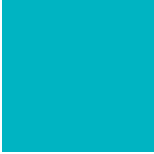
33.7401, 36.6476, 99.9031

Protanopia

38.2396, 36.2141, 91.3608

Deuteranopia

37.4007, 36.3757, 99.6577



Tritanopia

26.0589, 36.5376, 56.7179

Trichromacy



Original Color

33.7401, 36.6476, 99.9031

Protanomaly

35.6756, 35.8587, 94.6637

Deuteranomaly

35.5296, 36.2050, 99.7234

Tritanomaly

28.1695, 36.1371, 70.4562

Monochromacy



Original Color

33.7401, 36.6476, 99.9031

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

26.4734, 29.5582, 49.6574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7401, 36.6476, 99.9031 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(50, 170, 255)` looks like.

```
.text, #text, p{  
    color:rgb(50, 170, 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(50, 170, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 170, 255) }
```

Border

The CSS property to change the border of an element to XYZ 33.7401, 36.6476, 99.9031 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(50, 170, 255) }
```


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

```
.border{ border-color:rgb(50, 170, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 170, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 170, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 170, 255);  
box-shadow:4px 4px 4px 4px rgb(50, 170,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7401, 36.6476, 99.9031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 170, 255) }
```

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

```
.background{ background-color: rgb(50, 170,  
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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