

Converting Colors

XYZ(36.7953, 43.2754,
101.0214)

Have a look what the booklet for
XYZ(36.7953, 43.2754, 101.0214)
contains.

XYZ(36.7752, 43.2529, 101.0181)	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(36.7752, 43.2529,
101.0181)**

Conversions

Conversions Part 1

Format	Color
Hex	2ABBFF
RGB	42, 187, 255
RGB Percent	16%, 73%, 100%
CMY	0.8352, 0.2667, 0.0000
CMYK	0.84, 0.27, 0.00, 0.00
HSL	199°, 100%, 58%
HSV	199°, 84%, 100%
XYZ	36.7752, 43.2529, 101.0181
YIQ	151.3970, -108.2480, -9.5920

Conversions

Conversions Part 2

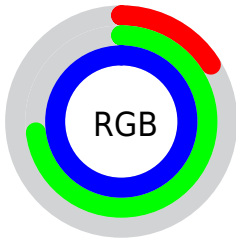
Format	Color
R _{YB}	42, 128, 255
Decimal	2800639
CIE Lab	71.73, -13.79, -43.81
CIE LCh	72, 45.930, 252.530
Yxy	43.2529, 0.2031, 0.2389
Android (android.graphics.Color)	4280990719 (0xFF2ABBFF)
YUV	151.3970, 51.0763, -95.9412
Hunter-Lab	65.7669, -15.2795, -45.0327

Details

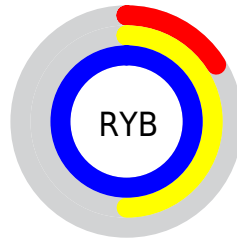
The XYZ color **36.7752, 43.2529, 101.0181** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **47.2367, 32.5840, 5.9924**, and the grayscale version is **29.4101, 30.9417, 33.6955**.

A 20% lighter version of the original color is **58.4128, 75.6063, 106.1225**, and **18.7181, 21.1274, 56.5175** is the 20% darker color. If you saturate the color by 10%, you get **34.3649, 39.5192, 100.4245**, and if you desaturate by 10%, it is **39.9481, 47.5265, 101.6758**.

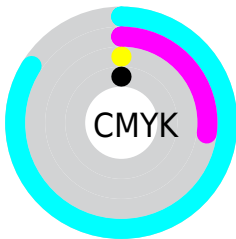
Distribution



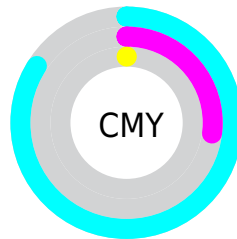
- Red (16%)
- Green (73%)
- Blue (100%)



- Red (16%)
- Yellow (50%)
- Blue (100%)



- Cyan (84%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (84%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7752, 43.2529, 101.0181 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 36.7752, 43.2529, 101.0181 by changing the saturation by 10% instead.

■ 36.7752, 43.2529,
101.0181

■ 36.7752, 43.2529,
101.0181

323.7087,
359.6508, 584.7264

■ 25.2064, 30.0836,
76.5295

■ 69.5430, 80.0924,
164.6196

■ 16.3604, 19.9020,
56.3575

■ 91.4726, 104.5313,
204.5696

■ 9.8720, 12.3239,
40.0837

■ 117.5866,
133.4956, 250.5105

■ 5.3758, 6.9646,
27.2895

■ 148.2503,
167.3696, 302.8607

■ 2.5064, 3.4400,
17.5564

183.8289,
206.5377, 362.0389

■ 0.8985, 1.3655,
10.4659

224.6880,

■ 0.0000, 0.1911,

251.3844, 428.4635

5.5993

271.1928,
302.2939, 502.5532

■ 0.0000, 0.0000,
2.5382

■ 0.0000, 0.0000,
0.8603

■ 36.7752, 43.2529,
101.0181

■ 36.7752, 43.2529,
101.0181

■ 34.3649, 39.5192,
100.4245

■ 39.9481, 47.5265,
101.6758

■ 33.1060, 37.3319,
100.0687

■ 43.9900, 52.3951,
102.4025

■ 48.9930, 57.9092,
103.2031

■ 55.0358, 64.1115,
104.0818

■ 62.1885, 71.0403,
105.0422

■ 70.5145, 78.7306,
106.0877

■ 80.0726, 87.2145,
107.2216

■ 90.9171, 96.5223,
108.4466

■ 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.



31.0296, 43.2529, 82.4570



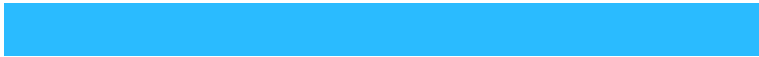
36.7752, 43.2529, 101.0181



44.4469, 43.2529, 102.6186

Triad

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



36.7752, 43.2529, 101.0181



57.5370, 43.2529, 38.3871



31.7928, 43.2529, 22.0257

Complementary

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



36.7752, 43.2529, 101.0181



47.2367, 32.5840, 5.9924

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.



37.9455, 43.2529, 16.4018



36.7752, 43.2529, 101.0181



53.1679, 43.2529, 23.6394

Square

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



36.7752, 43.2529, 101.0181



57.1198, 43.2529, 61.1851



45.7740, 43.2529, 16.8802



28.4127, 43.2529, 35.3534

Rectangle

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



36.7752, 43.2529, 101.0181



49.7038, 43.2529, 93.3190



45.7740, 43.2529, 16.8802



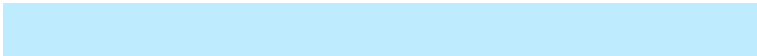
33.5697, 43.2529, 19.3933

Sweetspot

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



36.7766, 43.2543, 101.0183



69.2059, 77.5431, 105.9275



39.5013, 73.1270, 26.6330



14.1709, 16.0088, 22.5931



0.0000, 0.0000, 0.0000



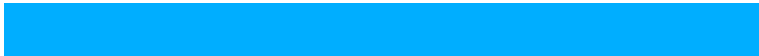
20.3446, 21.4041, 23.3091

Same Dimension

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



36.7766, 43.2543, 101.0183



33.1060, 37.3319, 100.0687



21.9534, 13.6080, 96.0773



18.0372, 19.4459, 23.0527



17.4393, 19.7881, 52.3349



1.7967, 2.1240, 5.1286

Inverse Universe

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



51.0387, 26.5056, 49.4409



48.8396, 24.2998, 41.9487



66.2025, 70.5157, 12.3144



18.5314, 18.1959, 21.4155



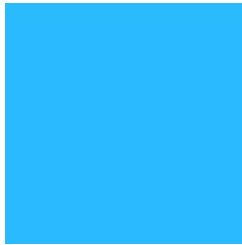
25.5907, 12.7256, 22.2930



2.5415, 1.2590, 2.4328

Previews

White Background



This preview shows how the XYZ color 36.7752, 43.2529, 101.0181 looks on a white background.

Color Contrast Check

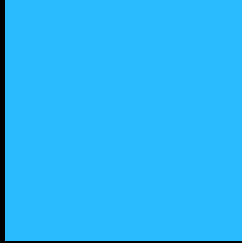
Large Text (above 18pt) WCAG AA × Fail

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 36.7752, 43.2529, 101.0181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

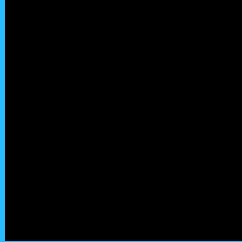
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

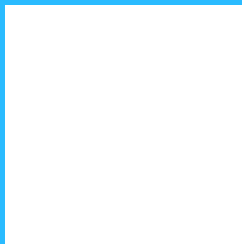
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7752, 43.2529, 101.0181

Background



This preview shows how black text looks on a background with the XYZ color 36.7752, 43.2529, 101.0181.

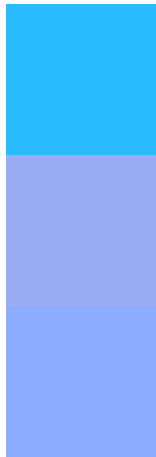


This preview shows how white text looks on a background with the XYZ color 36.7752, 43.2529,

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

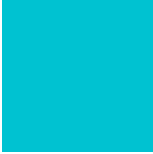
36.7752, 43.2529, 101.0181

Protanopia

44.0671, 42.7484, 90.7227

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

30.8004, 43.1870, 67.0342

Trichromacy



Original Color

36.7752, 43.2529, 101.0181

Protanomaly

39.3207, 41.6704, 93.9665

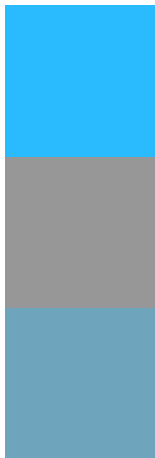
Deuteranomaly

39.6793, 42.0038, 100.6240

Tritanomaly

32.5553, 42.8541, 78.5073

Monochromacy



Original Color

36.7752, 43.2529, 101.0181

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

29.0163, 33.6045, 53.1011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7752, 43.2529, 101.0181 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(42, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(42, 187, 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(42, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.7752, 43.2529, 101.0181 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(42, 187, 255) }
```


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

```
.border{ border-color:rgb(42, 187, 255) }
```

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

Here you see how a box with a 4 pixel rgb(42, 187, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(42, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7752, 43.2529, 101.0181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 187, 255) }
```

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

```
.background{ background-color: rgb(42, 187,  
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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