

Converting Colors

XYZ(37.5614, 43.8126,
101.0847)

Have a look what the booklet for
XYZ(37.5614, 43.8126, 101.0847)
contains.

XYZ(37.4512, 43.6014, 101.0498)	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(37.4512, 43.6014,
101.0498)**

Conversions

Conversions Part 1

Format	Color
Hex	38BBFF
RGB	56, 187, 255
RGB Percent	22%, 73%, 100%
CMY	0.7803, 0.2667, 0.0000
CMYK	0.78, 0.27, 0.00, 0.00
HSL	201°, 100%, 61%
HSV	201°, 78%, 100%
XYZ	37.4512, 43.6014, 101.0498
YIQ	155.5830, -99.9040, -6.6240

Conversions

Conversions Part 2

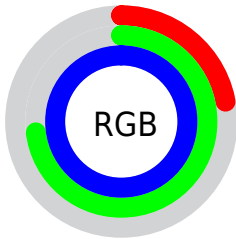
Format	Color
R _Y B	56, 135, 255
Decimal	3718143
CIE Lab	71.96, -12.58, -43.43
CIE LCh	72, 45.213, 253.841
Yxy	43.6014, 0.2057, 0.2394
Android (android.graphics.Color)	4281908223 (0xFF38BBFF)
YUV	155.5830, 49.0126, -87.3343
Hunter-Lab	66.0314, -14.3145, -44.5113

Details

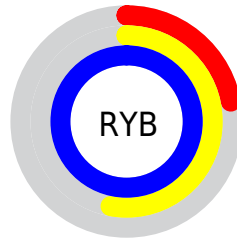
The XYZ color **37.4512, 43.6014, 101.0498** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **49.1637, 35.9646, 8.0941**, and the grayscale version is **31.2378, 32.8646, 35.7895**.

A 20% lighter version of the original color is **59.4607, 76.1465, 106.1716**, and **18.7181, 21.1274, 56.5175** is the 20% darker color. If you saturate the color by 10%, you get **34.5784, 39.4595, 100.4017**, and if you desaturate by 10%, it is **41.1637, 48.3442, 101.7695**.

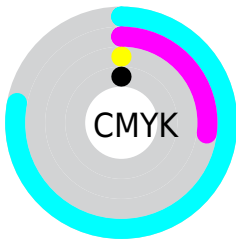
Distribution



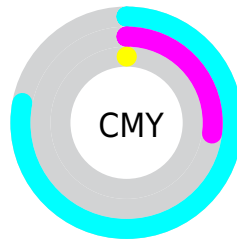
- Red (22%)
- Green (73%)
- Blue (100%)



- Red (22%)
- Yellow (53%)
- Blue (100%)



- Cyan (78%)
- Magenta (27%)
- Yellow (0%)
- Black (0%)



- Cyan (78%)
- Magenta (27%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4512, 43.6014, 101.0498 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 37.4512, 43.6014, 101.0498 by changing the saturation by 10% instead.

■ 37.4512, 43.6014,
101.0498

■ 37.4512, 43.6014,
101.0498

326.5816,
361.0792, 584.8286

■ 25.7323, 30.3573,
76.5558

■ 70.5755, 80.6176,
164.6635

■ 16.7551, 20.1099,
56.3790

■ 92.7117, 105.1585,
204.6204

■ 10.1543, 12.4750,
40.1008

■ 119.0509,
134.2337, 250.5685

■ 5.5644, 7.0680,
27.3028

■ 149.9587,
168.2277, 302.9266

■ 2.6202, 3.5047,
17.5663

185.8003,
207.5249, 362.1131

■ 0.9563, 1.4005,
10.4729

226.9410,

■ 0.0000, 0.2171,

252.5096, 428.5466

5.6039

273.7464,
303.5662, 502.6456

■ 0.0000, 0.0000,
2.5409

■ 0.0000, 0.0000,
0.8617

■ 37.4512, 43.6014,
101.0498

■ 37.4512, 43.6014,
101.0498

■ 34.5784, 39.4595,
100.4017

■ 41.1637, 48.3442,
101.7695

■ 32.4078, 35.8424,
99.8179

■ 45.8107, 53.7374,
102.5656

■ 32.0268, 35.1736,
99.7089

■ 51.4772, 59.8284,
103.4426

■ 58.2374, 66.6580,
104.4046

■ 66.1579, 74.2634,
105.4551

■ 75.2995, 82.6785,
106.5976

■ 85.7190, 91.9349,
107.8351

■ 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.



31.6419, 43.6014, 83.3763



37.4512, 43.6014, 101.0498



45.0908, 43.6014, 101.7871

Triad

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



37.4512, 43.6014, 101.0498



57.5683, 43.6014, 38.0240



31.9974, 43.6014, 22.9628

Complementary

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



37.4512, 43.6014, 101.0498



49.1637, 35.9646, 8.0941

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.



37.9952, 43.6014, 17.0298



37.4512, 43.6014, 101.0498



53.0812, 43.6014, 23.7193

Square

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



37.4512, 43.6014, 101.0498



57.3753, 43.6014, 60.2987



45.7063, 43.6014, 17.2552



28.7705, 43.6014, 36.6111

Rectangle

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



37.4512, 43.6014, 101.0498



50.2587, 43.6014, 92.1946



45.7063, 43.6014, 17.2552



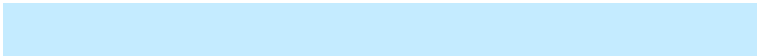
33.7216, 43.6014, 20.2197

Sweetspot

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



37.4526, 43.6028, 101.0500



70.6024, 78.3952, 106.0184



40.9260, 73.7749, 30.6074



14.4222, 16.1405, 22.6052



0.0000, 0.0000, 0.0000



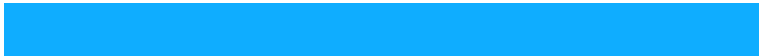
20.3446, 21.4041, 23.3091

Same Dimension

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



37.4526, 43.6028, 101.0500



33.2124, 37.2451, 100.0463



23.2692, 15.2360, 96.3222



18.0016, 19.3747, 23.0409



16.8789, 18.6675, 52.1481



1.7450, 2.0208, 5.1113

Inverse Universe

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



51.6248, 27.6779, 49.6364



48.9665, 24.6307, 41.7534



68.0320, 73.7012, 14.3836



18.5134, 18.1887, 21.3209



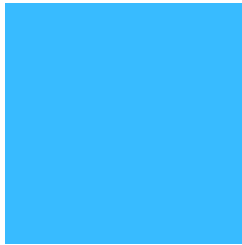
25.3079, 12.6125, 20.8037



2.5154, 1.2485, 2.2956

Previews

White Background



This preview shows how the XYZ color 37.4512, 43.6014, 101.0498 looks on a white background.

Color Contrast Check

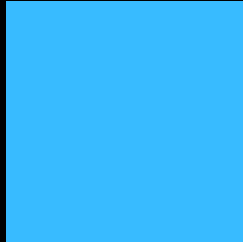
Large Text (above 18pt) WCAG AA × Fail

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 37.4512, 43.6014, 101.0498 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

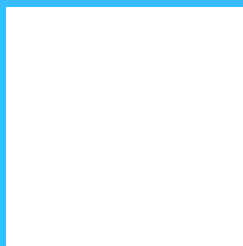
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4512, 43.6014, 101.0498

Background



This preview shows how black text looks on a background with the XYZ color 37.4512, 43.6014, 101.0498.

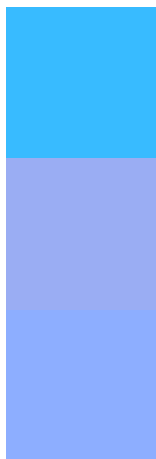


This preview shows how white text looks on a background with the XYZ color 37.4512, 43.6014,

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

37.4512, 43.6014, 101.0498

Protanopia

44.4477, 43.2282, 90.7953

Deuteranopia

44.1706, 43.1548, 100.6094



Tritanopia

31.1480, 43.6834, 67.7628

Trichromacy



Original Color

37.4512, 43.6014, 101.0498

Protanomaly

40.1801, 42.4077, 94.0635

Deuteranomaly

40.6005, 42.7752, 100.7243

Tritanomaly

32.8656, 43.3390, 78.5846

Monochromacy



Original Color

37.4512, 43.6014, 101.0498

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.0789, 35.4363, 55.0710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4512, 43.6014, 101.0498 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(56, 187, 255)` looks like.

```
.text, #text, p{  
    color:rgb(56, 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(56, 187, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 187, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.4512, 43.6014, 101.0498 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(56, 187, 255) }
```


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

```
.border{ border-color:rgb(56, 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(56, 187, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 187, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 187, 255);  
box-shadow:4px 4px 4px 4px rgb(56, 187,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4512, 43.6014, 101.0498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 187, 255) }
```

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

```
.background{ background-color: rgb(56, 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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