

Converting Colors

XYZ(39.9986, 42.3441,
112.5190)

Have a look what the booklet for
XYZ(39.9986, 42.3441, 112.5190)
contains.

XYZ(37.6498, 41.2540, 100.5862)	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(37.6498, 41.2540,
100.5862)**

Conversions

Conversions Part 1

Format	Color
Hex	52B3FF
RGB	82, 179, 255
RGB Percent	32%, 70%, 100%
CMY	0.6784, 0.2980, 0.0000
CMYK	0.68, 0.30, 0.00, 0.00
HSL	206°, 100%, 66%
HSV	206°, 68%, 100%
XYZ	37.6498, 41.2540, 100.5862
YIQ	158.6610, -82.2080, 3.0720

Conversions

Conversions Part 2

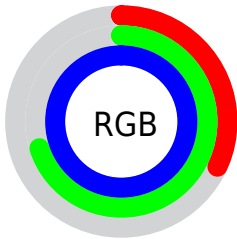
Format	Color
R_{YB}	82, 144, 255
Decimal	5420031
CIE Lab	70.35, -5.01, -45.90
CIE LCh	70, 46.172, 263.776
Yxy	41.2540, 0.2098, 0.2298
Android (android.graphics.Color)	4283610111 (0xFF52B3FF)
YUV	158.6610, 47.4951, -67.2317
Hunter-Lab	64.2293, -7.7684, -47.8906

Details

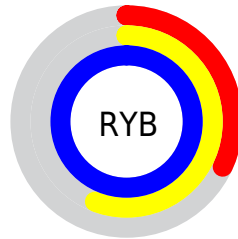
The XYZ color **37.6498, 41.2540, 100.5862** is a light color, and the websafe version is hex **6699CC**. The color can be described as light muted azure. A complement of this color would be **54.9919, 46.3263, 14.0284**, and the grayscale version is **32.6191, 34.3178, 37.3721**.

A 20% lighter version of the original color is **59.9711, 72.9326, 105.5243**, and **17.7824, 19.2560, 56.2056** is the 20% darker color. If you saturate the color by 10%, you get **33.6752, 36.0067, 99.7829**, and if you desaturate by 10%, it is **42.6329, 47.2933, 101.4893**.

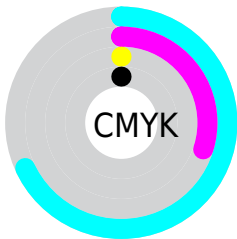
Distribution



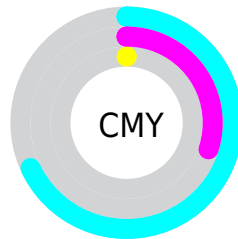
- Red (32%)
- Green (70%)
- Blue (100%)



- Red (32%)
- Yellow (56%)
- Blue (100%)



- Cyan (68%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (68%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6498, 41.2540, 100.5862 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 37.6498, 41.2540, 100.5862 by changing the saturation by 10% instead.

■ 37.6498, 41.2540,
100.5862

■ 37.6498, 41.2540,
100.5862

327.4222,
351.3811, 583.3332

■ 25.8870, 28.5176,
76.1706

■ 70.8784, 77.0693,
164.0214

■ 16.8713, 18.7162,
56.0649

■ 93.0749, 100.9170,
203.8781

■ 10.2375, 11.4654,
39.8506

■ 119.4800,
129.2373, 249.7189

■ 5.6202, 6.3808,
27.1092

■ 150.4591,
162.4146, 301.9623

■ 2.6540, 3.0780,
17.4221

186.3775,
200.8332, 361.0269

■ 0.9736, 1.1726,
10.3708

227.6006,

■ 0.0000, 0.0391,

244.8775, 427.3312

5.5367

274.4937,
294.9320, 501.2938

■ 0.0000, 0.0000,
2.5013

■ 0.0000, 0.0000,
0.8408

■ 37.6498, 41.2540,
100.5862

■ 37.6498, 41.2540,
100.5862

■ 33.6752, 36.0067,
99.7829

■ 42.6329, 47.2933,
101.4893

■ 30.6042, 31.4891,
99.0727

■ 48.7064, 54.1710,
102.4967

■ 28.3047, 27.6269,
98.4485

■ 55.9477, 61.9337,
103.6134

■ 27.8683, 26.8567,
98.3228

■ 64.4253, 70.6226,
104.8437

■ 74.2023, 80.2757,
106.1916

■ 85.3370, 90.9286,
107.6610

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.



31.2043, 41.2540, 87.7686



37.6498, 41.2540, 100.5862



45.3926, 41.2540, 95.0423

Triad

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



37.6498, 41.2540, 100.5862



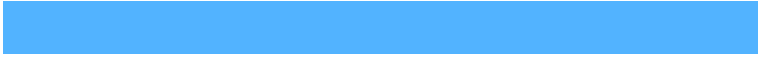
54.1375, 41.2540, 30.0892



28.5779, 41.2540, 24.4721

Complementary

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



37.6498, 41.2540, 100.5862



54.9919, 46.3263, 14.0284

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.



33.6171, 41.2540, 16.5018



37.6498, 41.2540, 100.5862



48.4813, 41.2540, 18.9367

Square

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



37.6498, 41.2540, 100.5862



55.5790, 41.2540, 49.6036



40.8141, 41.2540, 14.8661



26.4200, 41.2540, 40.5383

Rectangle

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



37.6498, 41.2540, 100.5862



50.1971, 41.2540, 82.3545



40.8141, 41.2540, 14.8661



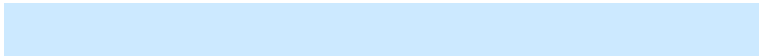
29.9570, 41.2540, 20.9963

Sweetspot

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



37.6512, 41.2553, 100.5864



71.9761, 78.1059, 105.8901



45.3242, 75.7477, 44.1182



14.8063, 16.1287, 22.5827



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.



37.6512, 41.2553, 100.5864



32.6119, 34.5026, 99.5486



25.4929, 16.9389, 96.5336



17.8479, 19.0675, 22.9897



14.7132, 14.3359, 51.4262



1.5414, 1.6136, 5.0435

Inverse Universe

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



52.3950, 30.5511, 45.7843



49.0396, 26.1006, 37.6973



74.9541, 86.2507, 20.6825



18.4359, 18.1577, 20.9125



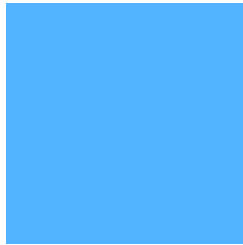
24.2147, 12.1752, 15.0471



2.4127, 1.2074, 1.7545

Previews

White Background



This preview shows how the XYZ color 37.6498, 41.2540, 100.5862 looks on a white background.

Color Contrast Check

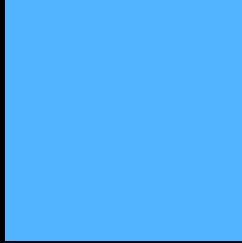
Large Text (above 18pt) WCAG AA × Fail

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 37.6498, 41.2540, 100.5862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

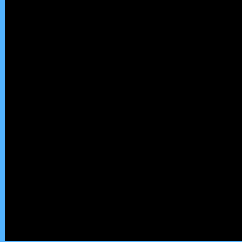
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

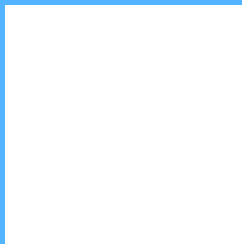
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6498, 41.2540, 100.5862

Background



This preview shows how black text looks on a background with the XYZ color 37.6498, 41.2540, 100.5862.

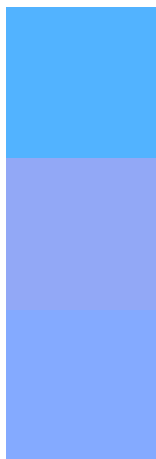


This preview shows how white text looks on a background with the XYZ color 37.6498, 41.2540,

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

37.6498, 41.2540, 100.5862

Protanopia

42.4912, 40.7701, 92.8187

Deuteranopia

41.9404, 40.8750, 100.2869



Tritanopia

30.3156, 41.3832, 63.5167

Trichromacy



Original Color

37.6498, 41.2540, 100.5862

Protanomaly

40.0198, 40.5556, 95.3413

Deuteranomaly

39.9330, 40.6845, 100.3559

Tritanomaly

32.5317, 40.9863, 76.0086

Monochromacy



Original Color

37.6498, 41.2540, 100.5862

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.7339, 35.9928, 56.2610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6498, 41.2540, 100.5862 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(82, 179, 255)` looks like.

```
.text, #text, p{  
    color:rgb(82, 179, 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(82, 179, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 179, 255) }
```

Border

The CSS property to change the border of an element to XYZ 37.6498, 41.2540, 100.5862 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(82, 179, 255) }
```


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

```
.border{ border-color:rgb(82, 179, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 179, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 179, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 179, 255);  
box-shadow:4px 4px 4px 4px rgb(82, 179,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6498, 41.2540, 100.5862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 179, 255) }
```

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

```
.background{ background-color: rgb(82, 179,  
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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