

Converting Colors

XYZ(36.3242, 40.8933,
100.5865)

Have a look what the booklet for
XYZ(36.3242, 40.8933, 100.5865)
contains.

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Color

**XYZ(36.2957, 40.8546,
100.5805)**

Conversions

Conversions Part 1

Format	Color
Hex	3DB4FF
RGB	61, 180, 255
RGB Percent	24%, 71%, 100%
CMY	0.7607, 0.2941, 0.0000
CMYK	0.76, 0.29, 0.00, 0.00
HSL	203°, 100%, 62%
HSV	203°, 76%, 100%
XYZ	36.2957, 40.8546, 100.5805
YIQ	152.9690, -94.9990, -1.9030

Conversions

Conversions Part 2

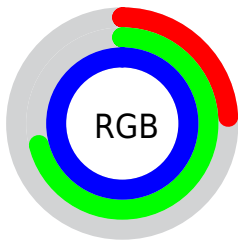
Format	Color
R _Y B	61, 135, 255
Decimal	4044031
CIE Lab	70.07, -8.26, -46.38
CIE LCh	70, 47.108, 259.905
Yxy	40.8546, 0.2042, 0.2299
Android (android.graphics.Color)	4282234111 (0xFF3DB4FF)
YUV	152.9690, 50.3013, -80.6568
Hunter-Lab	63.9176, -10.4943, -48.5562

Details

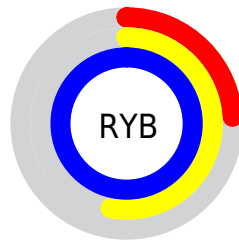
The XYZ color **36.2957, 40.8546, 100.5805** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **50.8887, 39.2090, 9.3029**, and the grayscale version is **30.0849, 31.6517, 34.4687**.

A 20% lighter version of the original color is **57.8770, 72.2792, 105.5086**, and **17.9122, 19.5156, 56.2489** is the 20% darker color. If you saturate the color by 10%, you get **33.1623, 36.3896, 99.8838**, and if you desaturate by 10%, it is **40.3186, 45.9896, 101.3596**.

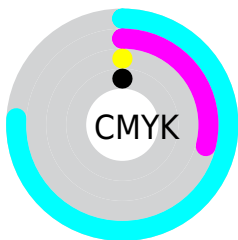
Distribution



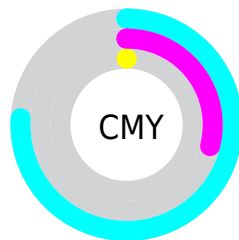
- Red (24%)
- Green (71%)
- Blue (100%)



- Red (24%)
- Yellow (53%)
- Blue (100%)



- Cyan (76%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (76%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2957, 40.8546, 100.5805 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 36.2957, 40.8546, 100.5805 by changing the saturation by 10% instead.

■ 36.2957, 40.8546,
100.5805

■ 36.2957, 40.8546,
100.5805

321.6599,
349.7126, 583.3148

■ 24.8338, 28.2055,
76.1658

■ 68.8091, 76.4631,
164.0135

■ 16.0814, 18.4806,
56.0610

■ 90.5914, 100.1913,
203.8690

■ 9.6730, 11.2956,
39.8475

■ 116.5445,
128.3813, 249.7084

■ 5.2433, 6.2660,
27.1068

■ 147.0337,
161.4176, 301.9504

■ 2.4269, 3.0075,
17.4203

182.4246,
199.6844, 361.0135

■ 0.8585, 1.1357,
10.3695

223.0823,

■ 0.0000, 0.0082,

243.5663, 427.3163

5.5358

269.3723,
293.4475, 501.2772

■ 0.0000, 0.0000,
2.5008

■ 0.0000, 0.0000,
0.8406

■ 36.2957, 40.8546,
100.5805

■ 36.2957, 40.8546,
100.5805

■ 33.1623, 36.3896,
99.8838

■ 40.3186, 45.9896,
101.3596

■ 30.7956, 32.5250,
99.2626

■ 45.3233, 51.8445,
102.2259

■ 30.0078, 31.1357,
99.0359

■ 51.3937, 58.4672,
103.1843

■ 58.6030, 65.8994,
104.2389

■ 67.0173, 74.1793,
105.3936

■ 76.6976, 83.3418,
106.6519

■ 87.7004, 93.4200,
108.0173

■ 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.



30.0624, 40.8546, 85.3950



36.2957, 40.8546, 100.5805



44.0878, 40.8546, 97.3851

Triad

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



36.2957, 40.8546, 100.5805



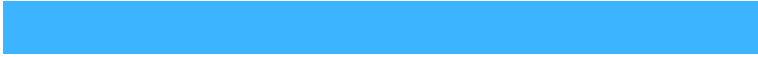
54.4652, 40.8546, 31.5638



28.5795, 40.8546, 22.3983

Complementary

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



36.2957, 40.8546, 100.5805



50.8887, 39.2090, 9.3029

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.



34.0098, 40.8546, 15.3585



36.2957, 40.8546, 100.5805



49.1578, 40.8546, 19.3102

Square

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



36.2957, 40.8546, 100.5805



55.2897, 40.8546, 52.3296



41.4818, 40.8546, 14.4541



26.0133, 40.8546, 37.4640

Rectangle

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



36.2957, 40.8546, 100.5805



49.1139, 40.8546, 85.5345



41.4818, 40.8546, 14.4541



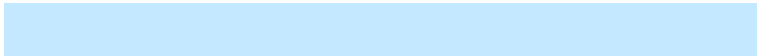
30.0941, 40.8546, 19.2585

Sweetspot

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



36.2970, 40.8559, 100.5807



69.8543, 76.8991, 105.7690



42.0851, 74.2724, 35.1785



14.2404, 15.7770, 22.5447



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.



36.2970, 40.8559, 100.5807



31.9089, 34.4150, 99.5687



23.1183, 14.4985, 96.1878



17.9306, 19.2329, 23.0172



15.8289, 16.5674, 51.7981



1.6472, 1.8251, 5.0787

Inverse Universe

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



51.1480, 27.8944, 45.8695



48.3630, 24.5978, 37.9326



71.0431, 79.5179, 16.0211



18.4776, 18.1744, 21.1324



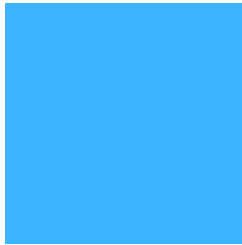
24.7779, 12.4005, 18.0128



2.4661, 1.2288, 2.0356

Previews

White Background



This preview shows how the XYZ color 36.2957, 40.8546, 100.5805 looks on a white background.

Color Contrast Check

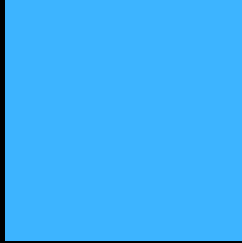
Large Text (above 18pt) WCAG AA × Fail

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 36.2957, 40.8546, 100.5805 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

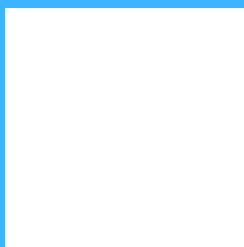
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2957, 40.8546, 100.5805

Background



This preview shows how black text looks on a background with the XYZ color 36.2957, 40.8546, 100.5805.



This preview shows how white text looks on a background with the XYZ color 36.2957, 40.8546,

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

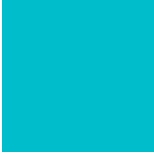
36.2957, 40.8546, 100.5805

Protanopia

41.9772, 40.2497, 91.9427

Deuteranopia

41.4439, 40.3418, 100.2102



Tritanopia

29.0967, 40.7548, 63.4597

Trichromacy



Original Color

36.2957, 40.8546, 100.5805

Protanomaly

38.7908, 39.9220, 95.2838

Deuteranomaly

38.8193, 40.1104, 100.3038

Tritanomaly

31.2091, 40.6161, 76.0068

Monochromacy



Original Color

36.2957, 40.8546, 100.5805

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1372, 33.9052, 53.6711

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2957, 40.8546, 100.5805 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(61, 180, 255)` looks like.

```
.text, #text, p{  
    color:rgb(61, 180, 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(61, 180, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 180, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2957, 40.8546, 100.5805 is called "border". The border property can be set on classes, ids or directly on the HTML element.

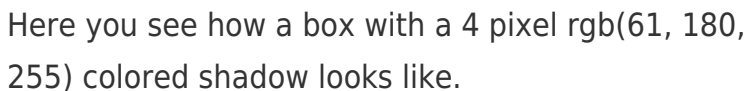
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(61, 180, 255) }
```


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

```
.border{ border-color:rgb(61, 180, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(61, 180, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 180, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 180, 255);  
box-shadow:4px 4px 4px 4px rgb(61, 180,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2957, 40.8546, 100.5805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 180, 255) }
```

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

```
.background{ background-color: rgb(61, 180,  
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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