

Converting Colors

XYZ(36.3769, 41.8471,
100.7678)

Have a look what the booklet for
XYZ(36.3769, 41.8471, 100.7678)
contains.

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Color

**XYZ(36.3487, 41.7908,
100.7584)**

Conversions

Conversions Part 1

Format	Color
Hex	33B7FF
RGB	51, 183, 255
RGB Percent	20%, 72%, 100%
CMY	0.7999, 0.2823, 0.0000
CMYK	0.80, 0.28, 0.00, 0.00
HSL	201°, 100%, 60%
HSV	201°, 80%, 100%
XYZ	36.3487, 41.7908, 100.7584
YIQ	151.7400, -101.7840, -5.5920

Conversions

Conversions Part 2

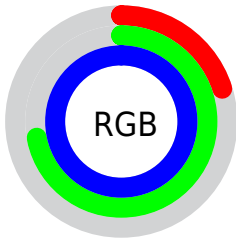
Format	Color
R _Y B	51, 131, 255
Decimal	3389439
CIE Lab	70.73, -10.89, -45.37
CIE LCh	71, 46.657, 256.498
Yxy	41.7908, 0.2032, 0.2336
Android (android.graphics.Color)	4281579519 (0xFF33B7FF)
YUV	151.7400, 50.9072, -88.3490
Hunter-Lab	64.6458, -12.7641, -47.1587

Details

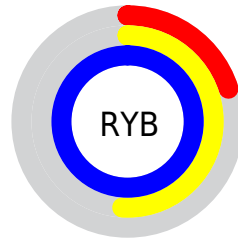
The XYZ color **36.3487, 41.7908, 100.7584** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light washed azure. A complement of this color would be **48.9228, 35.6689, 7.4403**, and the grayscale version is **29.5549, 31.0941, 33.8615**.

A 20% lighter version of the original color is **57.8186, 73.5422, 105.7554**, and **18.1757, 20.0425, 56.3367** is the 20% darker color. If you saturate the color by 10%, you get **33.6002, 37.7061, 100.1148**, and if you desaturate by 10%, it is **39.9220, 46.4782, 101.4748**.

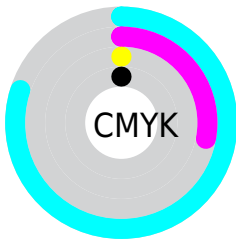
Distribution



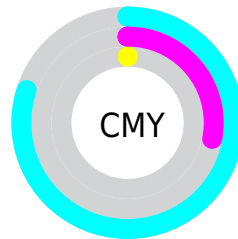
- Red (20%)
- Green (72%)
- Blue (100%)



- Red (20%)
- Yellow (51%)
- Blue (100%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3487, 41.7908, 100.7584 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 36.3487, 41.7908, 100.7584 by changing the saturation by 10% instead.

■ 36.3487, 41.7908,
100.7584

■ 36.3487, 41.7908,
100.7584

321.8868,
353.6150, 583.8889

■ 24.8750, 28.9375,
76.3137

■ 68.8903, 77.8829,
164.2600

■ 16.1122, 19.0336,
56.1815

■ 90.6889, 101.8905,
204.1539

■ 9.6949, 11.6945,
39.9435

■ 116.6598,
130.3851, 250.0346

■ 5.2579, 6.5360,
27.1811

■ 147.1684,
163.7509, 302.3206

■ 2.4356, 3.1737,
17.4756

182.5800,
202.3724, 361.4305

■ 0.8629, 1.2231,
10.4086

223.2601,

■ 0.0000, 0.0804,

246.6340, 427.7828

5.5616

269.5739,
296.9200, 501.7961

■ 0.0000, 0.0000,
2.5159

■ 0.0000, 0.0000,
0.8486

■ 36.3487, 41.7908,
100.7584

■ 36.3487, 41.7908,
100.7584

■ 33.6002, 37.7061,
100.1148

■ 39.9220, 46.4782,
101.4748

■ 31.5056, 34.1308,
99.5351

■ 44.4189, 51.8206,
102.2690

■ 31.5042, 34.1284,
99.5347

■ 49.9272, 57.8669,
103.1457

■ 56.5228, 64.6593,
104.1092

■ 64.2738, 72.2357,
105.1630

■ 73.2424, 80.6313,
106.3108

■ 83.4861, 89.8783,
107.5558

■ 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.



30.3372, 41.7908, 83.9202



36.3487, 41.7908, 100.7584



44.0962, 41.7908, 99.7820

Triad

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



36.3487, 41.7908, 100.7584



55.7562, 41.7908, 34.4468



29.8799, 41.7908, 22.0289

Complementary

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



36.3487, 41.7908, 100.7584



48.9228, 35.6689, 7.4403

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.



35.6451, 41.7908, 15.6622



36.3487, 41.7908, 100.7584



50.8639, 41.7908, 21.0718

Square

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



36.3487, 41.7908, 100.7584



56.0090, 41.7908, 56.1898



43.2955, 41.7908, 15.3807



26.9431, 41.7908, 36.2652

Rectangle

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



36.3487, 41.7908, 100.7584



49.2404, 41.7908, 89.0510



43.2955, 41.7908, 15.3807



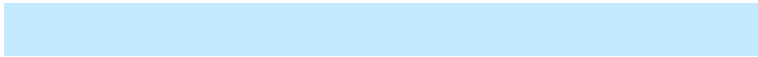
31.5149, 41.7908, 19.1327

Sweetspot

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



36.3501, 41.7921, 100.7586



69.4988, 77.1668, 105.8394



40.6645, 73.6396, 30.6170



14.1993, 15.8817, 22.5670



0.0000, 0.0000, 0.0000



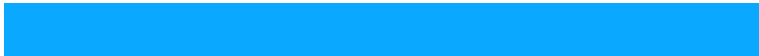
20.3446, 21.4041, 23.3091

Same Dimension

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



36.3501, 41.7921, 100.7586



32.2904, 35.5113, 99.7602



22.4045, 13.9010, 96.1100



17.9838, 19.3391, 23.0349



16.6074, 18.1244, 52.0576



1.7199, 1.9705, 5.1030

Inverse Universe

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



50.9721, 27.0482, 47.3352



48.4742, 24.3308, 39.4786



68.6019, 75.0272, 14.0000



18.5045, 18.1851, 21.2736



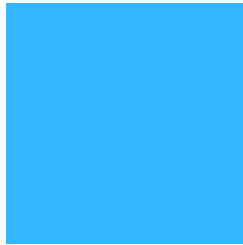
25.1708, 12.5576, 20.0819



2.5027, 1.2435, 2.2288

Previews

White Background



This preview shows how the XYZ color 36.3487, 41.7908, 100.7584 looks on a white background.

Color Contrast Check

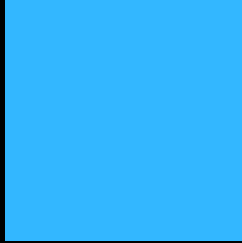
Large Text (above 18pt) WCAG AA × Fail

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 36.3487, 41.7908, 100.7584 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

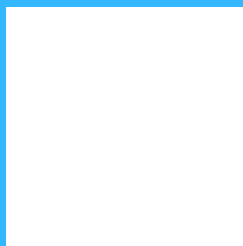
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3487, 41.7908, 100.7584

Background



This preview shows how black text looks on a background with the XYZ color 36.3487, 41.7908, 100.7584.

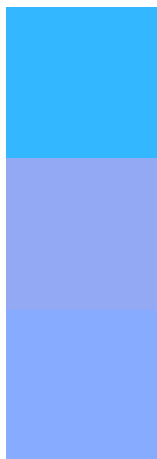


This preview shows how white text looks on a background with the XYZ color 36.3487, 41.7908,

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

36.3487, 41.7908, 100.7584

Protanopia

42.7298, 41.2035, 91.2889

Deuteranopia

42.4444, 41.4142, 100.3644



Tritanopia

29.7714, 41.7178, 64.8758

Trichromacy



Original Color

36.3487, 41.7908, 100.7584

Protanomaly

38.8894, 40.5601, 94.5861

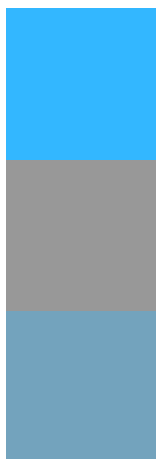
Deuteranomaly

39.0889, 40.8230, 100.4272

Tritanomaly

31.7063, 41.4867, 76.8576

Monochromacy



Original Color

36.3487, 41.7908, 100.7584

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.3527, 33.5133, 53.0658

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3487, 41.7908, 100.7584 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(51, 183, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 183, 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(51, 183, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 183, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.3487, 41.7908, 100.7584 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(51, 183, 255) }
```


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

```
.border{ border-color:rgb(51, 183, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 183, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 183, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 183, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 183,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3487, 41.7908, 100.7584 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 183, 255) }
```

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

```
.background{ background-color: rgb(51, 183,  
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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