

Converting Colors

XYZ(36.2305, 44.1375, 96.7179)

Have a look what the booklet for
XYZ(36.2305, 44.1375, 96.7179)
contains.

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Color

**XYZ(36.2338, 44.0203,
97.0295)**

Conversions

Conversions Part 1

Format	Color
Hex	1FBEFA
RGB	31, 190, 250
RGB Percent	12%, 75%, 98%
CMY	0.8783, 0.2549, 0.0196
CMYK	0.88, 0.24, 0.00, 0.02
HSL	196°, 96%, 55%
HSV	196°, 88%, 98%
XYZ	36.2338, 44.0203, 97.0295
YIQ	149.2990, -114.0240, -15.0480

Conversions

Conversions Part 2

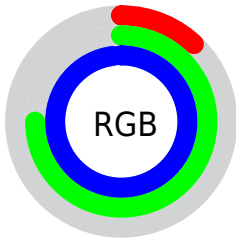
Format	Color
R _Y B	31, 123, 250
Decimal	2080506
CIE Lab	72.24, -17.81, -40.32
CIE LCh	72, 44.078, 246.170
Yxy	44.0203, 0.2044, 0.2483
Android (android.graphics.Color)	4280270586 (0xFF1FBEFA)
YUV	149.2990, 49.6456, -103.7482
Hunter-Lab	66.3478, -18.6264, -40.2645

Details

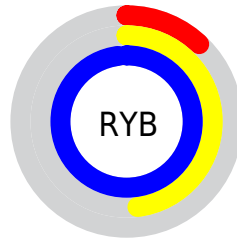
The XYZ color **36.2338, 44.0203, 97.0295** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **43.4159, 27.9102, 4.3973**, and the grayscale version is **28.5289, 30.0146, 32.6859**.

A 20% lighter version of the original color is **58.6135, 77.0535, 106.3913**, and **18.5713, 21.7416, 53.6698** is the 20% darker color. If you saturate the color by 10%, you get **34.2958, 40.8708, 96.5246**, and if you desaturate by 10%, it is **38.8207, 47.6092, 97.5868**.

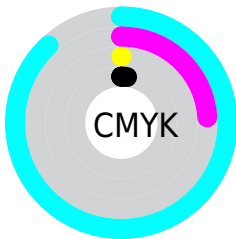
Distribution



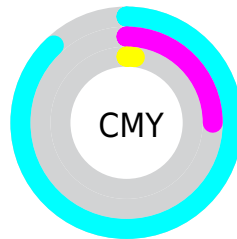
- Red (12%)
- Green (75%)
- Blue (98%)



- Red (12%)
- Yellow (48%)
- Blue (98%)



- Cyan (88%)
- Magenta (24%)
- Yellow (0%)
- Black (2%)



- Cyan (88%)
- Magenta (25%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2338, 44.0203, 97.0295 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 36.2338, 44.0203, 97.0295 by changing the saturation by 10% instead.

36.2338, 44.0203,
97.0295

36.2338, 44.0203,
97.0295

321.3947,
362.7911, 571.7915

24.7858, 30.6865,
73.2191

68.7143, 81.2483,
159.0851

16.0454, 20.3602,
53.6622

90.4775, 105.9112,
198.1673

9.6473, 12.6572,
37.9403

116.4097,
135.1193, 243.1773

5.2262, 7.1929,
25.6349

146.8764,
169.2570, 294.5335

2.4167, 3.5830,
16.3274

182.2429,
208.7086, 352.6545

0.8535, 1.4432,
9.5993

222.8745,

0.0000, 0.2482,

253.8586, 417.9588

5.0320

269.1367,
305.0913, 490.8649

■ 0.0000, 0.0000,
2.2070

■ 0.0000, 0.0000,
0.6784

■ 36.2338, 44.0203,
97.0295

■ 36.2338, 44.0203,
97.0295

■ 34.2958, 40.8708,
96.5246

■ 38.8207, 47.6092,
97.5868

■ 33.8812, 40.1537,
96.4081

■ 42.1735, 51.6972,
98.1991

■ 46.3861, 56.3346,
98.8722

■ 51.5369, 61.5633,
99.6100

■ 57.6951, 67.4203,
100.4159

■ 64.9232, 73.9389,
101.2932

■ 73.2782, 81.1499,
102.2447

■ 82.8130, 89.0818,
103.2731

■ 93.1970, 97.5653,
104.3633

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.1616, 44.0203, 76.9605



36.2338, 44.0203, 97.0295



43.4229, 44.0203, 102.4238

Triad

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



36.2338, 44.0203, 97.0295



58.0321, 44.0203, 43.5913



33.8289, 44.0203, 21.5527

Complementary

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



36.2338, 44.0203, 97.0295



43.4159, 27.9102, 4.3973

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.



40.2960, 44.0203, 17.2974



36.2338, 44.0203, 97.0295



54.7155, 44.0203, 27.3086

Square

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



36.2338, 44.0203, 97.0295



56.6064, 44.0203, 66.8091



47.9965, 44.0203, 19.0301



29.8946, 44.0203, 32.9925

Rectangle

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



36.2338, 44.0203, 97.0295



48.5888, 44.0203, 95.8837



47.9965, 44.0203, 19.0301



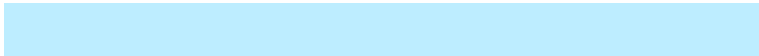
35.7470, 44.0203, 19.4211

Sweetspot

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



36.2354, 44.0218, 97.0306



69.1980, 78.4726, 106.1073



36.5728, 69.3920, 21.0107



14.2085, 16.2647, 22.6405



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.



36.2354, 44.0218, 97.0306



35.4260, 41.9720, 100.8420



20.8480, 13.2470, 91.9015



17.3401, 18.7571, 22.0919



18.0978, 21.5512, 51.1795



1.7645, 2.1727, 4.7696

Inverse Universe

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



49.2100, 25.0235, 50.9528



50.0106, 24.7682, 48.1154



60.0746, 61.2276, 9.9502



17.7782, 17.4386, 20.6878



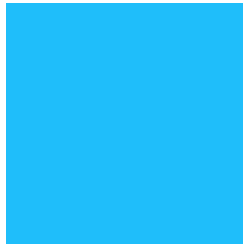
25.4270, 12.5865, 24.7546



2.3996, 1.1836, 2.5276

Previews

White Background



This preview shows how the XYZ color 36.2338, 44.0203, 97.0295 looks on a white background.

Color Contrast Check

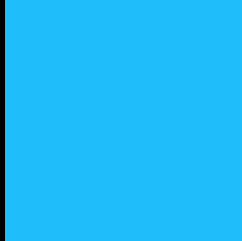
Large Text (above 18pt) WCAG AA × Fail

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 36.2338, 44.0203, 97.0295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

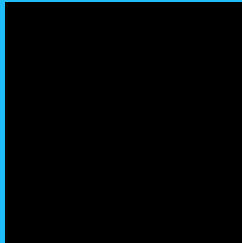
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

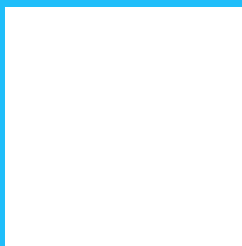
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2338, 44.0203, 97.0295

Background



This preview shows how black text looks on a background with the XYZ color 36.2338, 44.0203, 97.0295.

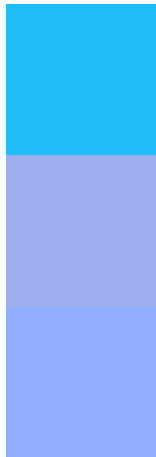


This preview shows how white text looks on a background with the XYZ color 36.2338, 44.0203,

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

36.2338, 44.0203, 97.0295

Protanopia

44.1343, 43.1697, 86.1272

Deuteranopia

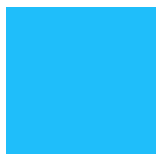
44.7025, 43.4476, 99.7961



Tritanopia

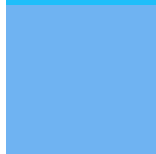
31.2730, 43.7334, 68.4211

Trichromacy



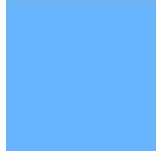
Original Color

36.2338, 44.0203, 97.0295



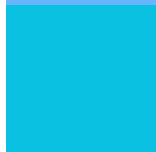
Protanomaly

38.7027, 42.0305, 90.0773



Deuteranomaly

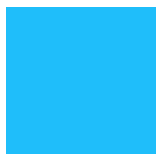
39.7598, 42.6774, 99.0705



Tritanomaly

32.7986, 43.6473, 77.9303

Monochromacy



Original Color

36.2338, 44.0203, 97.0295



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

28.0822, 33.1603, 51.3749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2338, 44.0203, 97.0295 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(31, 190, 250)` looks like.

```
.text, #text, p{  
    color:rgb(31, 190, 250)  
}
```

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(31, 190, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 190, 250) }
```

Border

The CSS property to change the border of an element to XYZ 36.2338, 44.0203, 97.0295 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(31, 190, 250) }
```


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

```
.border{ border-color:rgb(31, 190, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 190, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 190, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 190, 250);  
box-shadow:4px 4px 4px 4px rgb(31, 190,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2338, 44.0203, 97.0295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 190, 250) }
```

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

```
.background{ background-color: rgb(31, 190,  
250) }
```

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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