

Converting Colors

XYZ(36.2827, 43.3150,
101.0561)

Have a look what the booklet for
XYZ(36.2827, 43.3150, 101.0561)
contains.

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Color

**XYZ(36.2827, 43.3150,
101.0561)**

Conversions

Conversions Part 1

Format	Color
Hex	12BCFF
RGB	18, 188, 255
RGB Percent	7%, 74%, 100%
CMY	0.9292, 0.2627, 0.0000
CMYK	0.93, 0.26, 0.00, 0.00
HSL	197°, 100%, 54%
HSV	197°, 93%, 100%
XYZ	36.2827, 43.3150, 101.0561
YIQ	144.8080, -122.8270, -15.2030

Conversions

Conversions Part 2

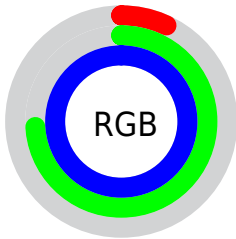
Format	Color
R _Y B	18, 117, 255
Decimal	1228031
CIE Lab	71.77, -15.60, -43.76
CIE LCh	72, 46.462, 250.377
Yxy	43.3150, 0.2008, 0.2398
Android (android.graphics.Color)	4279418111 (0xFF12BCFF)
YUV	144.8080, 54.3247, -111.2106
Hunter-Lab	65.8141, -16.7694, -44.9686

Details

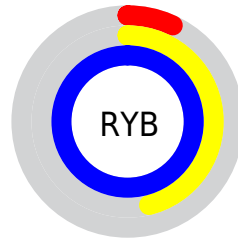
The XYZ color **36.2827, 43.3150, 101.0561** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **44.6022, 27.8090, 3.5915**, and the grayscale version is **26.6651, 28.0538, 30.5505**.

A 20% lighter version of the original color is **57.6031, 75.6344, 106.1706**, and **18.8570, 21.4052, 56.5638** is the 20% darker color. If you saturate the color by 10%, you get **34.9623, 41.0445, 100.6874**, and if you desaturate by 10%, it is **38.6323, 46.8710, 101.6186**.

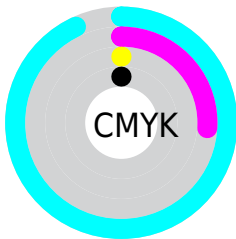
Distribution



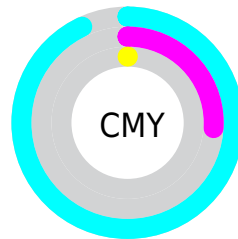
- Red (7%)
- Green (74%)
- Blue (100%)



- Red (7%)
- Yellow (46%)
- Blue (100%)



- Cyan (93%)
- Magenta (26%)
- Yellow (0%)
- Black (0%)



- Cyan (93%)
- Magenta (26%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2827, 43.3150, 101.0561 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 36.2827, 43.3150, 101.0561 by changing the saturation by 10% instead.

36.2827, 43.3150,
101.0561

36.2827, 43.3150,
101.0561

321.6042,
359.9056, 584.8489

24.8237, 30.1323,
76.5610

68.7892, 80.1860,
164.6723

16.0738, 19.9391,
56.3833

90.5674, 104.6431,
204.6304

9.6676, 12.3508,
40.1042

116.5162,
133.6272, 250.5801

5.2397, 6.9830,
27.3054

147.0007,
167.5226, 302.9397

2.4248, 3.4515,
17.5683

182.3864,
206.7138, 362.1279

0.8575, 1.3717,
10.4743

223.0387,

0.0000, 0.1958,

251.5851, 428.5631

5.6048

269.3228,
302.5209, 502.6639

■ 0.0000, 0.0000,
2.5414

■ 0.0000, 0.0000,
0.8620

■ 36.2827, 43.3150,
101.0561

■ 36.2827, 43.3150,
101.0561

■ 34.9623, 41.0445,
100.6874

■ 38.6323, 46.8710,
101.6186

■ 41.7279, 50.9268,
102.2383

■ 45.6791, 55.5411,
102.9207

■ 50.5756, 60.7618,
103.6703

■ 56.4949, 66.6302,
104.4911

■ 63.5061, 73.1835,
105.3864

■ 71.6720, 80.4556,
106.3597

■ 81.0505, 88.4777,
107.4138

■ 91.6954, 97.2790,
108.5516

Harmonies

Analogous

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



30.6615, 43.3150, 81.2734



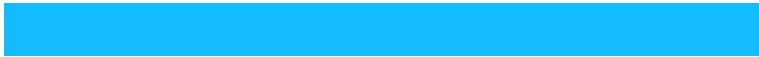
36.2827, 43.3150, 101.0561



43.9627, 43.3150, 104.0986

Triad

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



36.2827, 43.3150, 101.0561



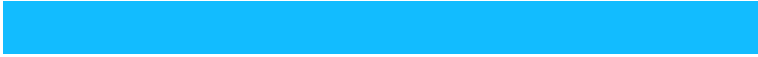
57.9652, 43.3150, 39.7627



32.1043, 43.3150, 21.2058

Complementary

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



36.2827, 43.3150, 101.0561



44.6022, 27.8090, 3.5915

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.



38.4974, 43.3150, 16.0376



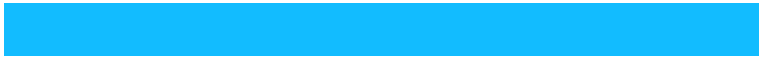
36.2827, 43.3150, 101.0561



53.8399, 43.3150, 24.2469

Square

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



36.2827, 43.3150, 101.0561



57.1738, 43.3150, 63.3079



46.4767, 43.3150, 16.9369



28.4710, 43.3150, 34.0261

Rectangle

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



36.2827, 43.3150, 101.0561



49.3264, 43.3150, 95.4447



46.4767, 43.3150, 16.9369



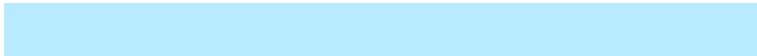
33.9656, 43.3150, 18.7354

Sweetspot

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



36.2841, 43.3164, 101.0563



67.3758, 76.6696, 105.8554



37.5047, 72.2468, 19.8001



13.6915, 15.7540, 22.5692



0.0000, 0.0000, 0.0000



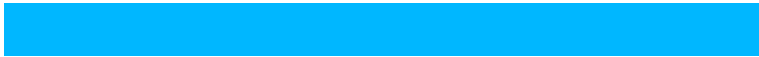
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2841, 43.3164, 101.0563



34.9623, 41.0445, 100.6874



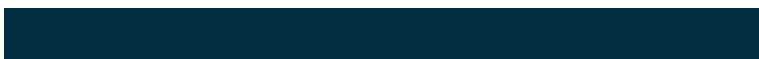
20.7055, 12.1592, 95.8634



18.0953, 19.5623, 23.0721



18.4018, 21.7131, 52.6558



1.8846, 2.2998, 5.1579

Inverse Universe

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



50.5345, 25.3253, 49.8028



49.7765, 24.6746, 46.8828



61.9374, 62.4794, 9.3699



18.5608, 18.2076, 21.5701



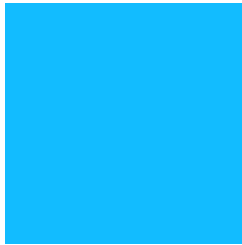
26.0766, 12.9199, 24.8514



2.5859, 1.2767, 2.6665

Previews

White Background



This preview shows how the XYZ color 36.2827, 43.3150, 101.0561 looks on a white background.

Color Contrast Check

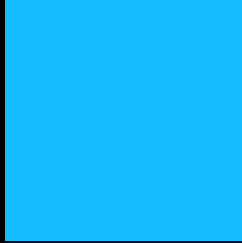
Large Text (above 18pt) WCAG AA × Fail

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 36.2827, 43.3150, 101.0561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

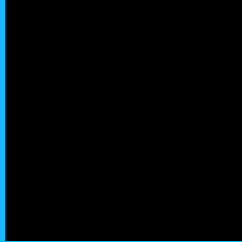
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

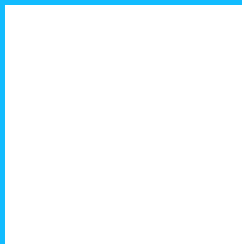
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2827, 43.3150, 101.0561

Background



This preview shows how black text looks on a background with the XYZ color 36.2827, 43.3150, 101.0561.



This preview shows how white text looks on a background with the XYZ color 36.2827, 43.3150,

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

36.2827, 43.3150, 101.0561

Protanopia

43.9164, 42.6882, 89.9294

Deuteranopia

43.8088, 42.6826, 100.5373



Tritanopia

30.8004, 43.1870, 67.0342

Trichromacy



Original Color

36.2827, 43.3150, 101.0561

Protanomaly

38.4178, 41.4992, 93.9810

Deuteranomaly

38.7943, 41.5476, 100.5826

Tritanomaly

32.6647, 43.2354, 78.5752

Monochromacy



Original Color

36.2827, 43.3150, 101.0561

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

26.6474, 31.6452, 50.6026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2827, 43.3150, 101.0561 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(18, 188, 255)` looks like.

```
.text, #text, p{  
    color:rgb(18, 188, 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(18, 188, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 188, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2827, 43.3150, 101.0561 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(18, 188, 255) }
```


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

```
.border{ border-color:rgb(18, 188, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 188, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 188, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 188, 255);  
box-shadow:4px 4px 4px 4px rgb(18, 188,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2827, 43.3150, 101.0561 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 188, 255) }
```

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

```
.background{ background-color: rgb(18, 188,  
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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