

Converting Colors

XYZ(36.7824, 44.0684,
101.1752)

Have a look what the booklet for
XYZ(36.7824, 44.0684, 101.1752)
contains.

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Color

**XYZ(36.8895, 44.2665,
101.2078)**

Conversions

Conversions Part 1

Format	Color
Hex	1ABEFF
RGB	26, 190, 255
RGB Percent	10%, 75%, 100%
CMY	0.8979, 0.2549, 0.0000
CMYK	0.90, 0.25, 0.00, 0.00
HSL	197°, 100%, 55%
HSV	197°, 90%, 100%
XYZ	36.8895, 44.2665, 101.2078
YIQ	148.3740, -118.6090, -14.5530

Conversions

Conversions Part 2

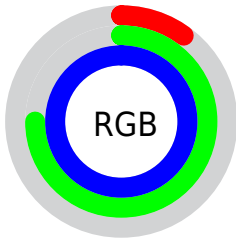
Format	Color
R _Y B	26, 122, 255
Decimal	1752831
CIE Lab	72.41, -16.34, -42.76
CIE LCh	72, 45.778, 249.084
Yxy	44.2665, 0.2023, 0.2427
Android (android.graphics.Color)	4279942911 (0xFF1ABEFF)
YUV	148.3740, 52.5666, -107.3220
Hunter-Lab	66.5331, -17.4629, -43.6167

Details

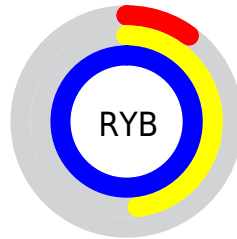
The XYZ color **36.8895, 44.2665, 101.2078** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed azure. A complement of this color would be **45.1712, 28.8234, 4.1623**, and the grayscale version is **28.1326, 29.5976, 32.2318**.

A 20% lighter version of the original color is **58.4770, 76.9831, 106.3849**, and **19.1387, 21.9685, 56.6577** is the 20% darker color. If you saturate the color by 10%, you get **34.9414, 40.9928, 100.6785**, and if you desaturate by 10%, it is **39.4636, 47.9800, 101.7888**.

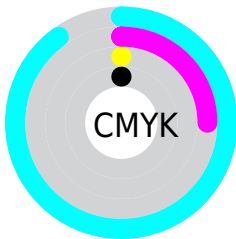
Distribution



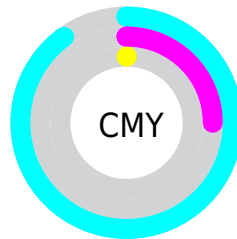
- Red (10%)
- Green (75%)
- Blue (100%)



- Red (10%)
- Yellow (48%)
- Blue (100%)



- Cyan (90%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (25%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8895, 44.2665, 101.2078 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 36.8895, 44.2665, 101.2078 by changing the saturation by 10% instead.

■ 36.8895, 44.2665,
101.2078

■ 36.8895, 44.2665,
101.2078

324.1957,
363.7947, 585.3378

■ 25.2952, 30.8801,
76.6871

■ 69.7177, 81.6186,
164.8823

■ 16.4270, 20.5075,
56.4861

■ 91.6824, 106.3531,
204.8732

■ 9.9196, 12.7645,
40.1862

■ 117.8346,
135.6390, 250.8580

■ 5.4075, 7.2666,
27.3688

■ 148.5397,
169.8609, 303.2550

■ 2.5255, 3.6294,
17.6155

■ 184.1630,
209.4029, 362.4830

■ 0.9081, 1.4685,
10.5077

225.0698,

■ 0.0000, 0.2664,

254.6497, 428.9605

5.6269

271.6256,
305.9855, 503.1059

■ 0.0000, 0.0000,
2.5545

■ 0.0000, 0.0000,
0.8688

■ 36.8895, 44.2665,
101.2078

■ 36.8895, 44.2665,
101.2078

■ 34.9414, 40.9928,
100.6785

■ 39.4636, 47.9800,
101.7888

■ 34.9031, 40.9262,
100.6677

■ 42.8209, 52.2137,
102.4291

■ 47.0642, 57.0230,
103.1337

■ 52.2786, 62.4534,
103.9071

■ 58.5390, 68.5449,
104.7529

■ 65.9121, 75.3335,
105.6746

■ 74.4593, 82.8522,
106.6754

■ 84.2369, 91.1316,
107.7581

■ 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.



31.3673, 44.2665, 81.0884



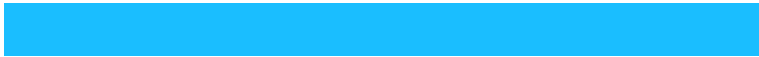
36.8895, 44.2665, 101.2078



44.5136, 44.2665, 105.0549

Triad

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



36.8895, 44.2665, 101.2078



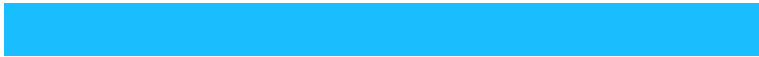
58.8935, 44.2665, 41.6625



33.2199, 44.2665, 21.7376

Complementary

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



36.8895, 44.2665, 101.2078



45.1712, 28.8234, 4.1623

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.



39.7251, 44.2665, 16.7768



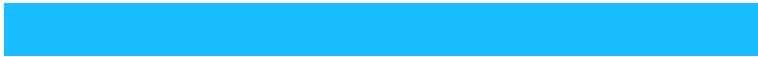
36.8895, 44.2665, 101.2078



54.9758, 44.2665, 25.6770

Square

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



36.8895, 44.2665, 101.2078



57.8870, 44.2665, 65.4237



47.7228, 44.2665, 17.9497



29.4399, 44.2665, 34.2982

Rectangle

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



36.8895, 44.2665, 101.2078



49.8835, 44.2665, 96.9816



47.7228, 44.2665, 17.9497



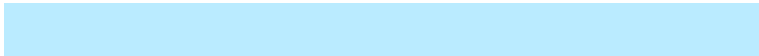
35.1253, 44.2665, 19.3370

Sweetspot

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



36.8909, 44.2679, 101.2079



68.1748, 77.3552, 105.9456



38.0715, 72.4939, 21.8637



14.0019, 16.0290, 22.6059



0.0000, 0.0000, 0.0000



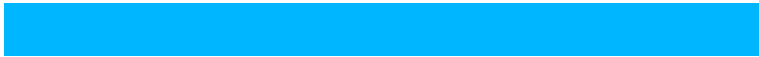
20.3446, 21.4041, 23.3091

Same Dimension

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



36.8909, 44.2679, 101.2079



34.9031, 40.9262, 100.6677



21.0373, 12.5606, 95.9234



18.0935, 19.5587, 23.0715



18.3711, 21.6518, 52.6455



1.8818, 2.2943, 5.1569

Inverse Universe

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



50.9048, 25.7183, 50.9975



49.7467, 24.6627, 46.7255



63.3521, 65.1852, 10.2226



18.5599, 18.2073, 21.5653



26.0611, 12.9137, 24.7699



2.5844, 1.2762, 2.6591

Previews

White Background



This preview shows how the XYZ color 36.8895, 44.2665, 101.2078 looks on a white background.

Color Contrast Check

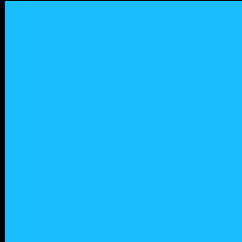
Large Text (above 18pt) WCAG AA × Fail

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 36.8895, 44.2665, 101.2078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

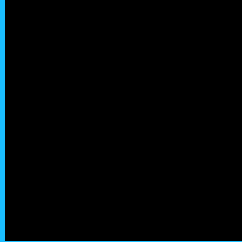
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

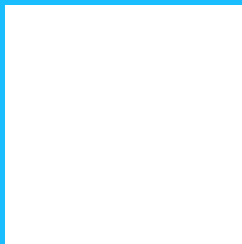
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8895, 44.2665, 101.2078

Background



This preview shows how black text looks on a background with the XYZ color 36.8895, 44.2665, 101.2078.



This preview shows how white text looks on a background with the XYZ color 36.8895, 44.2665,

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

36.8895, 44.2665, 101.2078

Protanopia

44.8734, 43.7508, 90.0841

Deuteranopia

44.7077, 43.7196, 100.6901



Tritanopia

31.4978, 44.1830, 68.4961

Trichromacy



Original Color

36.8895, 44.2665, 101.2078

Protanomaly

39.4164, 42.6091, 94.1426

Deuteranomaly

39.6268, 42.5718, 100.7364

Tritanomaly

33.2696, 44.1877, 79.4486

Monochromacy



Original Color

36.8895, 44.2665, 101.2078

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.7758, 32.7253, 51.8664

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8895, 44.2665, 101.2078 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(26, 190, 255)` looks like.

```
.text, #text, p{  
    color:rgb(26, 190, 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(26, 190, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 190, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.8895, 44.2665, 101.2078 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(26, 190, 255) }
```


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

```
.border{ border-color:rgb(26, 190, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 190, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 190, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 190, 255);  
box-shadow:4px 4px 4px 4px rgb(26, 190,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8895, 44.2665, 101.2078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 190, 255) }
```

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

```
.background{ background-color: rgb(26, 190,  
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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