

Converting Colors

XYZ(36.1537, 44.9025, 96.5371)

Have a look what the booklet for
XYZ(36.1537, 44.9025, 96.5371)
contains.

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Color

**XYZ(36.1688, 44.9795,
96.3981)**

Conversions

Conversions Part 1

Format	Color
Hex	00C1F9
RGB	0, 193, 249
RGB Percent	0%, 76%, 98%
CMY	0.9997, 0.2431, 0.0235
CMYK	1.00, 0.22, 0.00, 0.02
HSL	193°, 100%, 49%
HSV	193°, 100%, 98%
XYZ	36.1688, 44.9795, 96.3981
YIQ	141.6770, -133.0040, -23.5000

Conversions

Conversions Part 2

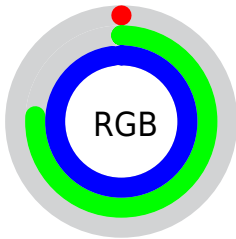
Format	Color
RYB	0, 109, 249
Decimal	49657
CIELab	72.88, -20.77, -38.80
CIElCh	73, 44.013, 241.844
Yxy	44.9795, 0.2037, 0.2533
Android (android.graphics.Color)	4278239737 (0xFF00C1F9)
YUV	141.6770, 52.9102, -124.2507
Hunter-Lab	67.0668, -21.1026, -38.2735

Details

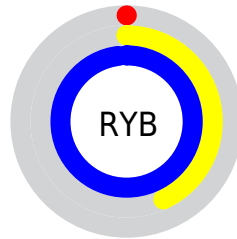
The XYZ color **36.1688, 44.9795, 96.3981** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light saturated cyan. A complement of this color would be **40.4850, 22.9748, 2.3027**, and the grayscale version is **25.4276, 26.7518, 29.1328**.

A 20% lighter version of the original color is **59.0457, 79.1019, 106.7639**, and **18.7470, 22.2710, 53.1798** is the 20% darker color. If you saturate the color by 10%, you get **36.1662, 44.9739, 96.3981**, and if you desaturate by 10%, it is **37.8315, 47.7106, 96.8385**.

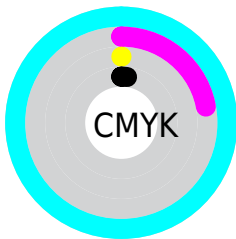
Distribution



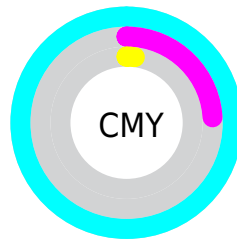
- Red (0%)
- Green (76%)
- Blue (98%)



- Red (0%)
- Yellow (43%)
- Blue (98%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (24%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.1688, 44.9795, 96.3981 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 36.1688, 44.9795, 96.3981 by changing the saturation by 10% instead.

36.1688, 44.9795,
96.3981

36.1688, 44.9795,
96.3981

321.1161,
366.6905, 569.7295

24.7353, 31.4413,
72.6959

68.6147, 82.6896,
158.2069

16.0076, 20.9351,
53.2370

90.3578, 107.6304,
197.1505

9.6204, 13.0766,
37.6030

116.2682,
137.1407, 242.0117

5.2084, 7.4813,
25.3753

146.7111,
171.6051, 293.2089

2.4060, 3.7649,
16.1353

182.0520,
211.4078, 351.1608

0.8481, 1.5429,
9.4646

222.6563,

0.0000, 0.3187,

256.9334, 416.2858

4.9445

268.8892,
308.5662, 489.0025

■ 0.0000, 0.0000,
2.1566

■ 0.0000, 0.0000,
0.6491

■ 36.1688, 44.9795,
96.3981

■ 36.1688, 44.9795,
96.3981

■ 36.1662, 44.9739,
96.3981

■ 37.8315, 47.7106,
96.8385

■ 40.0496, 50.7977,
97.3175

■ 42.9814, 54.3238,
97.8436

■ 46.7223, 58.3389,
98.4214

■ 51.3524, 62.8849,
99.0548

■ 56.9417, 67.9987,
99.7473

■ 63.5530, 73.7132,
100.5019

■ 71.2436, 80.0589,
101.3214

■ 80.0665, 87.0635,
102.2084

Harmonies

Analogous

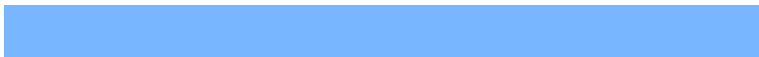
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.4164, 44.9795, 74.7844



36.1688, 44.9795, 96.3981



43.2276, 44.9795, 104.4194

Triad

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



36.1688, 44.9795, 96.3981



59.2348, 44.9795, 47.6296



35.4391, 44.9795, 21.1621

Complementary

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



36.1688, 44.9795, 96.3981



40.4850, 22.9748, 2.3027

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.



42.2792, 44.9795, 17.7466



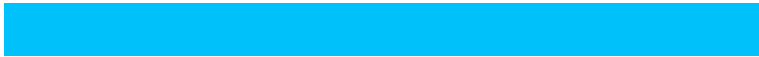
36.1688, 44.9795, 96.3981



56.5301, 44.9795, 29.9137

Square

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



36.1688, 44.9795, 96.3981



57.1033, 44.9795, 71.7086



50.0884, 44.9795, 20.3954



31.0319, 44.9795, 31.6391

Rectangle

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



36.1688, 44.9795, 96.3981



48.4720, 44.9795, 99.5152



50.0884, 44.9795, 20.3954



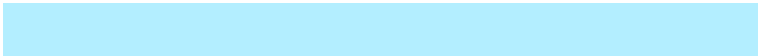
37.5001, 44.9795, 19.3198

Sweetspot

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



36.1704, 44.9810, 96.3992



67.0388, 77.7717, 106.0859



34.5428, 68.0188, 14.7987



13.6901, 16.0846, 22.6331



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.



36.1704, 44.9810, 96.3992



38.1612, 47.4423, 101.7537



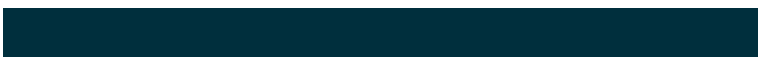
19.3277, 11.2956, 90.7850



17.4153, 18.9073, 22.1169



19.4704, 24.2964, 51.6370



1.8816, 2.4069, 4.8086

Inverse Universe

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



48.6939, 23.9917, 52.5179



51.3912, 25.3205, 55.3854



55.0817, 52.1681, 7.1683



17.8161, 17.4538, 20.8875



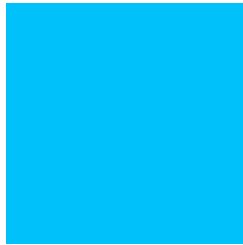
26.1198, 12.8636, 28.4030



2.4587, 1.2072, 2.8388

Previews

White Background



This preview shows how the XYZ color 36.1688, 44.9795, 96.3981 looks on a white background.

Color Contrast Check

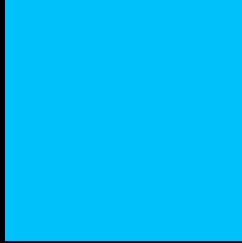
Large Text (above 18pt) WCAG AA × Fail

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 36.1688, 44.9795, 96.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

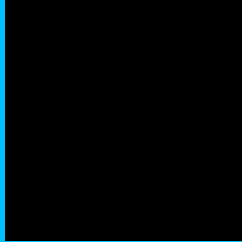
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.1688, 44.9795, 96.3981

Background



This preview shows how black text looks on a background with the XYZ color 36.1688, 44.9795, 96.3981.

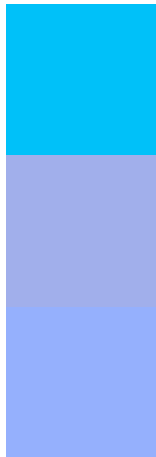


This preview shows how white text looks on a background with the XYZ color 36.1688, 44.9795,

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

36.1688, 44.9795, 96.3981

Protanopia

45.0233, 44.2352, 84.7625

Deuteranopia

45.6494, 44.5321, 99.1181



Tritanopia

31.9765, 44.7366, 69.9005

Trichromacy



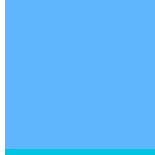
Original Color

36.1688, 44.9795, 96.3981



Protanomaly

37.9356, 42.5719, 88.6559



Deuteranomaly

39.0180, 42.9171, 98.3228



Tritanomaly

33.4674, 44.9708, 78.8678

Monochromacy



Original Color

36.1688, 44.9795, 96.3981



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

25.3018, 30.9996, 48.3660

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1688, 44.9795, 96.3981 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(0, 193, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 249)  
}
```

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(0, 193, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 249) }
```

Border

The CSS property to change the border of an element to XYZ 36.1688, 44.9795, 96.3981 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(0, 193, 249) }
```


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

```
.border{ border-color:rgb(0, 193, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 193, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1688, 44.9795, 96.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 249) }
```

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

```
.background{ background-color: rgb(0, 193,  
249) }
```

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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