

Converting Colors

XYZ(36.7881, 47.8728, 91.5028)

Have a look what the booklet for
XYZ(36.7881, 47.8728, 91.5028)
contains.

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Color

**XYZ(36.6813, 47.7194,
91.2819)**

Conversions

Conversions Part 1

Format	Color
Hex	00C8F2
RGB	0, 200, 242
RGB Percent	0%, 78%, 95%
CMY	0.9997, 0.2157, 0.0510
CMYK	1.00, 0.17, 0.00, 0.05
HSL	190°, 100%, 47%
HSV	190°, 100%, 95%
XYZ	36.6813, 47.7194, 91.2819
YIQ	144.9880, -132.6820, -29.3380

Conversions

Conversions Part 2

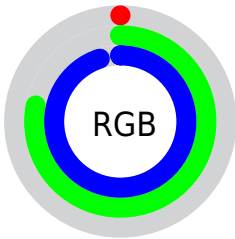
Format	Color
RYB	0, 110, 242
Decimal	51442
CIELab	74.65, -26.69, -32.30
CIELCh	75, 41.897, 230.427
Yxy	47.7194, 0.2088, 0.2716
Android (android.graphics.Color)	4278241522 (0xFF00C8F2)
YUV	144.9880, 47.8269, -127.1545
Hunter-Lab	69.0792, -26.1046, -29.9909

Details

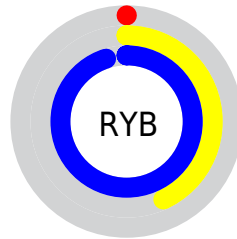
The XYZ color **36.6813, 47.7194, 91.2819** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **37.4490, 20.5381, 1.9924**, and the grayscale version is **26.7679, 28.1619, 30.6683**.

A 20% lighter version of the original color is **60.4921, 82.1847, 107.2827**, and **19.1418, 24.1029, 50.0978** is the 20% darker color. If you saturate the color by 10%, you get **36.6794, 47.7153, 91.2822**, and if you desaturate by 10%, it is **38.0515, 49.8909, 91.6298**.

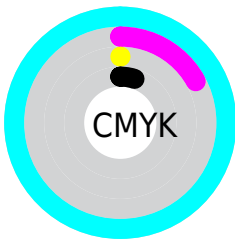
Distribution



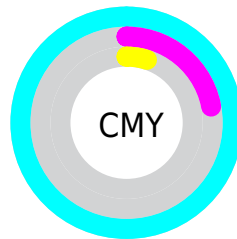
- Red (0%)
- Green (78%)
- Blue (95%)



- Red (0%)
- Yellow (43%)
- Blue (95%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (22%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6813, 47.7194, 91.2819 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 36.6813, 47.7194, 91.2819 by changing the saturation by 10% instead.

36.6813, 47.7194,
91.2819

36.6813, 47.7194,
91.2819

323.3082,
377.6788, 552.8694

25.1334, 33.6047,
68.4646

69.3994, 86.7865,
151.0688

16.3057, 22.5901,
49.8068

91.3002, 112.5077,
188.8755

9.8330, 14.2911,
34.8898

117.3828,
142.8665, 232.5157

5.3498, 8.3234,
23.2951

148.0123,
178.2473, 282.4081

2.4908, 4.3026,
14.6042

183.5543,
219.0346, 338.9711

0.8906, 1.8442,
8.3986

224.3741,

0.0000, 0.5145,

265.6127, 402.6233

4.2596

270.8369,
318.3659, 473.7832

■ 0.0000, 0.0000,
1.7688

■ 0.0000, 0.0000,
0.4073

■ 36.6813, 47.7194,
91.2819

■ 36.6813, 47.7194,
91.2819

■ 36.6794, 47.7153,
91.2822

■ 38.0515, 49.8909,
91.6298

■ 39.9229, 52.3600,
92.0077

■ 42.4448, 55.2047,
92.4239

■ 45.7058, 58.4710,
92.8825

■ 49.7802, 62.1976,
93.3870

■ 54.7330, 66.4182,
93.9407

■ 60.6225, 71.1632,
94.5461

■ 67.5021, 76.4604,
95.2060

■ 75.4207, 82.3353,
95.9226

Harmonies

Analogous

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



33.0107, 47.7194, 67.9494



36.6813, 47.7194, 91.2819



42.9724, 47.7194, 105.0146

Triad

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



36.6813, 47.7194, 91.2819



61.3182, 47.7194, 59.2219



40.4517, 47.7194, 21.8133

Complementary

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



36.6813, 47.7194, 91.2819



37.4490, 20.5381, 1.9924

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.



47.8258, 47.7194, 20.6862



36.6813, 47.7194, 91.2819



60.4489, 47.7194, 38.6962

Square

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



36.6813, 47.7194, 91.2819



57.5577, 47.7194, 83.3837



55.3003, 47.7194, 25.9461



35.0132, 47.7194, 29.6254

Rectangle

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



36.6813, 47.7194, 91.2819



48.0481, 47.7194, 104.8417



55.3003, 47.7194, 25.9461



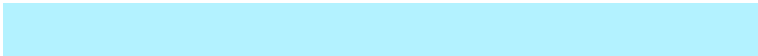
42.7661, 47.7194, 20.7448

Sweetspot

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



36.6829, 47.7211, 91.2831



68.1939, 80.0819, 106.4709



32.1430, 63.6613, 12.6361



13.9688, 16.6420, 22.7259



0.0000, 0.0000, 0.0000



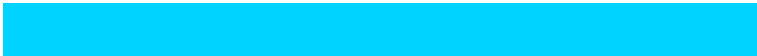
20.3446, 21.4041, 23.3091

Same Dimension

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



36.6829, 47.7211, 91.2831



41.2781, 53.6762, 102.7927



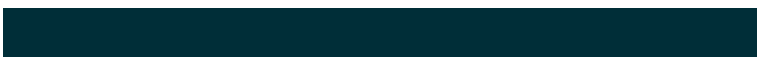
18.9490, 12.2533, 85.3718



16.0003, 17.4347, 20.2435



19.7940, 25.8122, 49.0669



1.7074, 2.2688, 4.1022

Inverse Universe

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



47.0447, 23.0492, 56.6146



52.9645, 25.9498, 63.6702



49.4259, 44.4920, 5.9847



16.3296, 15.9816, 19.2919



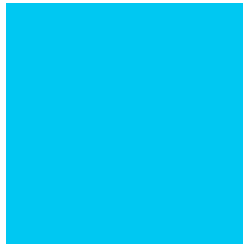
25.3167, 12.3991, 30.6480



2.1368, 1.0438, 2.7111

Previews

White Background



This preview shows how the XYZ color 36.6813, 47.7194, 91.2819 looks on a white background.

Color Contrast Check

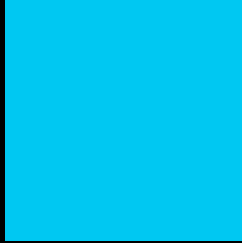
Large Text (above 18pt) WCAG AA × Fail

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 36.6813, 47.7194, 91.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

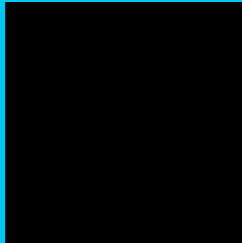
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6813, 47.7194, 91.2819

Background



This preview shows how black text looks on a background with the XYZ color 36.6813, 47.7194, 91.2819.

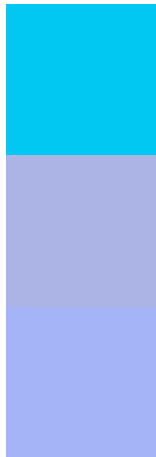


This preview shows how white text looks on a background with the XYZ color 36.6813, 47.7194,

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

36.6813, 47.7194, 91.2819

Protanopia

47.1194, 46.9019, 79.9683

Deuteranopia

48.4196, 47.2504, 94.5639



Tritanopia

34.1421, 47.8263, 74.4498

Trichromacy



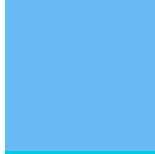
Original Color

36.6813, 47.7194, 91.2819



Protanomaly

38.7850, 44.6751, 83.6698



Deuteranomaly

39.9607, 45.0763, 92.9806



Tritanomaly

34.9857, 47.7871, 80.0529

Monochromacy



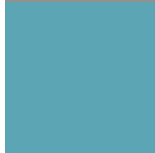
Original Color

36.6813, 47.7194, 91.2819



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

26.1070, 32.4809, 48.0735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6813, 47.7194, 91.2819 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, 200, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 200, 242)  
}
```

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, 200, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 200, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.6813, 47.7194, 91.2819 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, 200, 242) }
```


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

```
.border{ border-color:rgb(0, 200, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 200, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 200, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 200, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 200,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6813, 47.7194, 91.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 200, 242) }
```

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

```
.background{ background-color: rgb(0, 200,  
242) }
```

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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